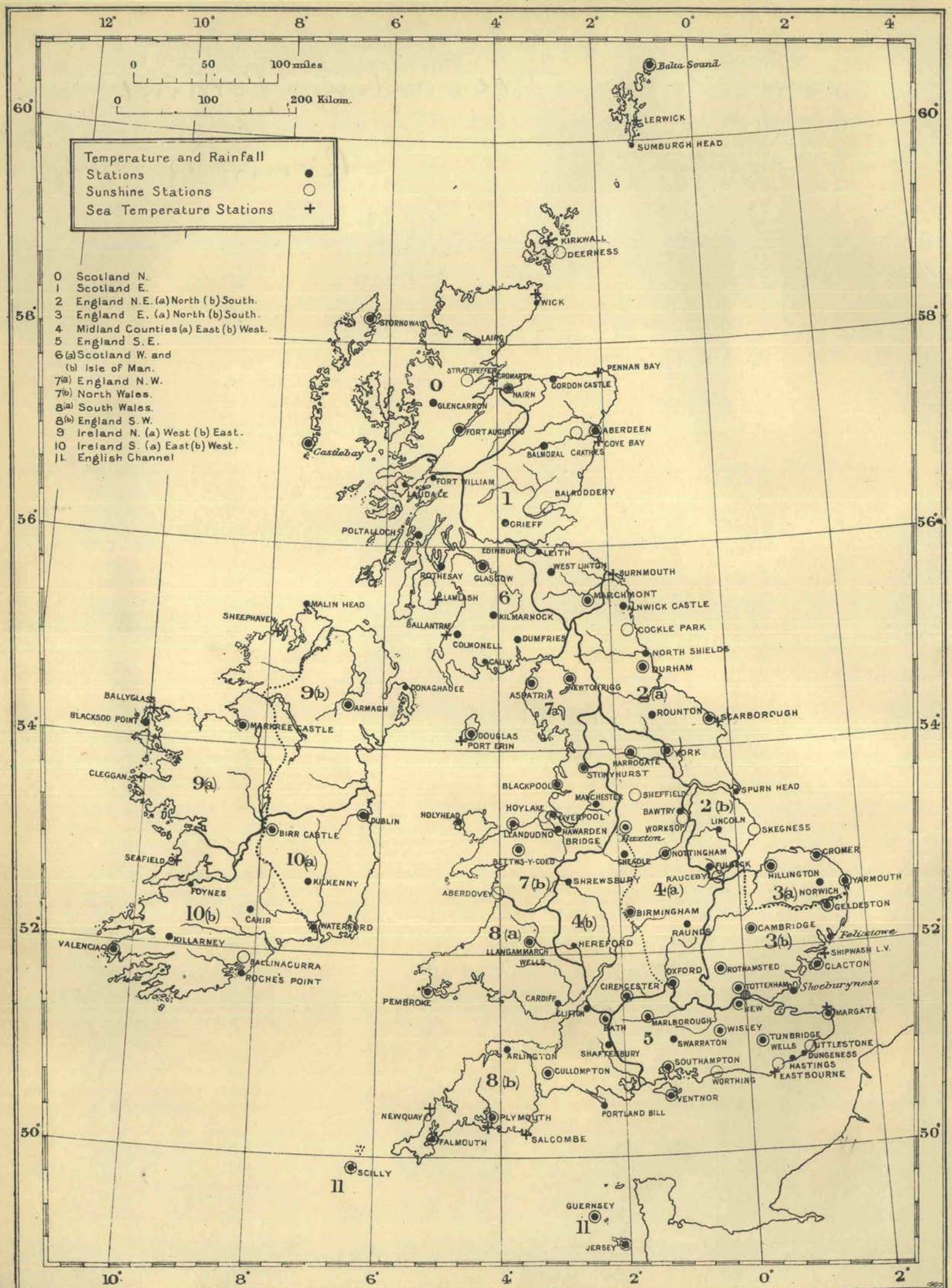
N 1907

Forecasting Branch

Room 9

WEEKLY WEATHER REPORT, DECEMBER 31ST 1907.

To face title



Scale 1: 5,000,000. *The names of Stations not used in the calculations of Meteorological values for Districts are shewn in italic type*

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THE

WEEKLY WEATHER REPORT

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OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1907

(VOL. XXIV.—NEW SERIES)

25

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE, FOR EACH WEEK,

WITH MONTHLY AND ANNUAL SUPPLEMENTS, THREE APPENDICES AND FRONTISPIECE MAP.

Published by the Authority of the Meteorological Committee.

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1908.

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I.—Summaries for each *District* for 1907, showing—

a. Rainfall,

Rain-Days and

Mean Temperature—for each Quarter, and—for the purposes of comparison—for corresponding periods from 1866;

b. Dates of the—

Driest and Wettest, and

Coldest and Warmest corresponding periods since 1866;

c. Rain-Days,

Rainfall,

Accumulated Temperature above 42° F.,

Accumulated Temperature below 42° F.,

Bright Sunshine—Duration, and

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periods of four weeks or five weeks with the progressive values from the beginning of the year — cv

d. Summary of the rain-days, rainfall, mean temperature, and bright sunshine for each year of the period 1878-1907.

II.—Weekly and Progressive Values for each *District* for 1907 of the different elements, namely:—

Rain-Days,

Rainfall,

Accumulated Temperature above 42° F.,

Accumulated Temperature below 42° F.,

Bright Sunshine—Duration,

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PREFACE.

New Form of Weekly Averages for Districts.

Several new features were introduced into the Report at the commencement of the year, as a result of a preliminary discussion of the values for districts for the 25 years, 1881 to 1905, carried out in the course of 1906. In the first instance, the average values for each week in the year were determined from the previously published data for each of the twelve meteorological districts for the elements mean temperature, accumulated temperature above and below 42°, amount of rainfall, and duration of bright sunshine. In order to minimise the effects of accidental irregularities the results deduced from the published figures were smoothed by the formula $\frac{a + 2b + c}{4}$ in which b stands for the average for a given week, a and c for the corresponding figures for the preceding and succeeding weeks. Fixed values for the district averages for each week in the year were thus arrived at for the first time in the history of the Report and the necessity for expressing the weekly "differences from average" as the means of the corresponding "differences from average" for the individual stations no longer existed. Accordingly in the Report for 1907 the "differences from average" have been referred to the newly found district averages.

Revision of Data for Previous Years.

Such a course is only strictly justifiable if the stations used for computing district values have remained the same throughout, and in the event of this not being so, it remains to be shown that the various combinations of stations used at different times have been such as to give sensibly the same district average throughout the period. Further examination of the records has brought to light the fact that this condition was not fulfilled in all districts. In these cases it has been necessary to revise some of the values given in previous years, with the result that some of the averages in use during 1907 have been slightly modified. Full particulars of these changes will be published shortly in a report on the Seasons in the British Islands, now in course of preparation. The values affected are the following :—

Temperature	... ...	Districts 0, 1 and 6.
Rainfall	... ...	Districts 0, 1, 3 and 6.
Sunshine	... ...	Districts 0, 1, 2, 5, 7 and 8.

Classification of Warmth, Rainfall and Sunshine.

The results for the 25 years were next examined from the point of view of the frequency of occurrence of values within certain limits. Rules were found for classifying the warmth, the rainfall and the sunshine, for each week, in accordance with the following definitions :—

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Full particulars of the methods adopted in the classification will be given in the report referred to above.

Each issue of the Report for the year 1907 has contained on the front page a table describing the divergence from the average values of the week's warmth, rainfall and sunshine in accordance with these definitions. In order to summarise the conditions of previous weeks there has been added a statement of the number of weeks of each character experienced during the current season and during the four past seasons. Each report has thus given a condensed summary of the weather of the past year, and is intended to facilitate the comparison of meteorological data with agricultural and other statistics.

Temperature of the Sea.

Another new feature of the Report has been the introduction of a table giving particulars of the temperature of the sea as observed at a selection of coast stations. It is to be regretted that communication with the light-ships from which regular observations of sea temperature are received at the Office is not sufficiently frequent to admit of the records being received in time for their publication in the Report. The only exception is in the case of the Shipwash Light-ship, which is in telephonic communication with the shore.

Temperatures on the Grass and in the Ground.

The table giving temperatures on the grass and in the ground, first introduced in the course of 1906, has been continued and extended in the present issue of the Report.

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Observations in the Upper Air.

The results of observations in the upper air carried out by means of kites at various stations in connexion with the Office, have been given in the same form as in 1906. Many observations have also been obtained with pilot balloons or with registering balloons (*ballons sondes*), and the data for the upper air now form an important feature of the Weekly Weather Report. Particulars are given in the present volume for 412 ascents, which distribute themselves as follows :—kite ascents 282, pilot balloon ascents 93, registering balloon ascents 37.

The regular observing stations were :—

Pyrton Hill (Oxon), W. H. Dines, F.R.S., for the Office.
Glossop Moor, J. E. Petavel, F.R.S., for the University of Manchester.
Ditcham Park, Petersfield, C. J. P. Cave, J.P.
Brighton, S. H. R. Salmon.

Since January, 1908, the station on Glossop Moor has been constituted as "The Howard Estate Meteorological Observatory of the University of Manchester."

An altitude of close on 10,000 feet was reached by means of kites at Glossop Moor on July 27th and September 24th. A registering balloon liberated at Manchester on November 8th, reached an altitude of nearly 19 kilometres (12 miles), where a temperature of −63° C. (−81° F.) was met with.

Weekly Tables and Maps.

No changes have been made in the form of the tables giving the weekly, seasonal and annual results for districts or the weekly results for stations. The daily weather maps and the accompanying remarks have also been prepared as in previous years with the exception that the completion of the cable to Iceland has made it possible to show the pressure distribution over Iceland and the Faroe Islands.

THE MONTHLY WEATHER REPORT.

The Monthly Weather Report (Monthly Summary) was considerably enlarged at the commencement of the year by the addition of summaries for all those stations which report directly to the Office which had formerly appeared in the annual volumes of "Observations at Stations of the Second Order." Towards the close of the year an arrangement was made with the Royal Meteorological Society and the Scottish Meteorological Society, under which those Societies forward to the Office the summaries which they contributed to the annual volume referred to, in time for their inclusion in the Monthly Report. These results have appeared in the issues for November and December and also in the Annual Summary. The Report for December contains summaries in the complete international form for 110 stations and abridged summaries for 82 stations.

Another important change was made in the Report in consequence of the acceptance by the Committee of an offer from Dr. H. R. Mill, Director of the British Rainfall Organisation, to undertake the preparation of the map showing the distribution of rainfall during each month. This map, which is compiled from data from about 500 stations, shows the distribution of precipitation over the British Islands by means of isohyetal lines.

APPENDICES.

Appendix I. The quarterly issues of this appendix to the Weekly Report have been published as in previous years but some changes have been made in the table of annual values. It contains annual values for each district for each year from the commencement of the issue of the Weekly Weather Report (1878) up to the end of 1907, for the elements (1) number of rain-days ; (2) amount of rainfall ; (3) mean temperature ; (4) duration of bright sunshine. In the cases referred to above, in which changes have been made in some of the values for past years in order to secure the constancy of the district average, the revised values have been given. All revised values are printed in italic type.

In the cases of rainfall and sunshine both the actual values and the percentages of the average for the 25 years 1881 to 1905 are given. The district averages (after revision where necessary) for the various combinations of stations which have been in use at different times appear to have varied at the most by 5 per cent., and within this limit the figures may be taken as giving a correct representation of the fluctuations from year to year in each district. In view of the inevitable changes in the stations this would appear to be the limit of accuracy of which the method of "district values" is capable. In the case of mean temperature the difference from the 25-year average is given for each year. The uncertainty introduced by changes in the selection of stations probably does not exceed 0·3° F. Corresponding summaries for quarters will be published in Appendix I. to the Report for 1908.

Appendix II. The resumé of weekly values for the year has been published as in previous years. Appendix III. forms an integral part of the Weekly Weather Report for the first time. It gives a summary of the occasions on which wind velocities amounting to or exceeding 44 statute miles per hour as recorded by a "Dines" pressure tube anemometer, or by a "Robinson" cup anemometer with the factor adjusted to give the corresponding result, were recorded at any of the anemometer stations in connexion with the Office. Similar tables were published as special supplements to the Annual Summaries for 1905 and 1906, and in the Annual Reports of the Meteorological Council for the years 1902, 1903 and 1904.

DISTRICTS AND STATIONS.

The British Islands are divided into twelve meteorological districts, numbered 0 to 11, as shown in the frontispiece map. In a number of cases the districts have been split into appropriate sub-divisions. The stations in each district for which information is given in the Report are enumerated in the following list. Those which are included for the first time are printed in clarendon type, those which have been discontinued in the course of the year in italic type.

Height above Mean Sea Level.—The figures given in this column refer, in general, to the height of the ground on which the rain gauge stands. At Sunshine Stations which do not possess a rain gauge, the height refers to the sunshine recorder.

The character of the information given for each station is indicated by the following symbols :—

W. Weekly Weather Report. Temperature and rainfall data.
⊙ Bright Sunshine data.
M. Monthly Weather Report. Full summary in the international form.
m. Monthly Weather Report. Abridged summary of temperature and rainfall.

Reference is made to Publications of the Office containing average values for long periods by means of the following letters :—

a. Appendix III. of the Weekly Weather Report for 1906. Monthly averages of mean maximum, mean minimum and mean temperature, and of rainfall for the 35 years 1871-1905 and (when available) of bright sunshine for the twenty-five years 1881-1905.

b. Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.

c. "Temperature Tables of the British Islands," 1871-1900. Monthly average of mean maximum, mean minimum and mean temperature generally for the thirty years 1871-1900, together with information on the extremes of temperature in the same period.

d. "Rainfall tables of the British Islands," Part I., 1866-80, Part II., 1880-90. Monthly averages of rainfall for lustra and for the periods named.

Data for stations marked 𝔐 are supplied by the Royal Meteorological Society, and for stations marked 𝔖 by the Scottish Meteorological Society.

	Stations.	Height in feet above M.S.L.	Character of information published.	Averages.
	0. SCOTLAND, N.			
	a. Islands.			
	b. Mainland.			
a.	**Balta Sound**	31	W, ⊙, m.	—
a.	Sumburgh Head	112	W, M.	a, c.
a.	Deerness	160	⊙, M.	a, b, c.
a.	Stornoway	40	W, ⊙, M.	a, c.
a.	**Castlebay,** Barra Island	38	W, ⊙, M.	—
b.	Wick	80	W, M.	a, c.
b.	Lairg 𝔖	387	W, M.	a.
b.	Strathpeffer Spa	253	⊙, M.	a.
b.	Glencarron 𝔖	489	W, M.	a, c.
b.	Fort Augustus 𝔖	68	W, ⊙, M.	a, c.
b.	Fort William 𝔖	175	W. M.	a, c.
	1. SCOTLAND, E.			
	Dunrobin Castle 𝔖	12	M.	c, d.
	Gordon Castle 𝔖	101	W. M.	c, d.
	Nairn 𝔖	82	W, ⊙, M.	a, c.
	Aberdeen 𝔖	46	W, ⊙, M.	a, c.
	Tillypronie 𝔖	1,116	M.	—
	Balmoral 𝔖	920	W. M.	—
	Crathes 𝔖	140	⊙, m.	—
	Dundee 𝔖	160	M.	c, d.
	Crieff 𝔖	440	W. M.	—
	Balruddery 𝔖	276	⊙, m.	—
	Leith 𝔖	18	W, M.	a, c.
	Edinburgh 𝔖	253	⊙	a, d.
	West Linton 𝔖	900	W, ⊙, M.	—
	Marchmont 𝔖	498	W, ⊙, M.	a, c.
	2. ENGLAND, N.E.			
	a. Northern.			
a.	Alnwick Castle	210	W, m.	a.
a.	Cockle Park	324	⊙, M.	a.
a.	Shields	96	W, M.	a, c, d.
a.	Seaham	139	M.	a, c, d.
a.	Newcastle	152	⊙, m.	a.
a.	Ampleforth	349	m.	—
a.	Durham	336	W, ⊙, M.	a, b, c.
a.	Whitby	88	⊙, M.	a, d.
a.	**Rounton** 𝔐	249	W, M.	c.
a.	Scarborough	100	W, ⊙, M.	a, c.
a.	York	56	W, ⊙, M.	a, c, d.

	Stations.	Height in feet above M.S.L.	Character of information published	Averages.
	2. ENGLAND, N.E.—*cont.*			
	b. Southern.			
b.	Hull	1	⊙, M.	a.
b.	Spurn Head	26	W, M.	a, c.
b.	Tealby	251	m.	a.
b.	Lincoln	58	W. M.	a, d.
b.	Skegness	12	W, ⊙, M.	—
b.	Fulbeck	180	W, ⊙, M.	a.
b.	Rauceby	124	⊙, M.	a.
	3. ENGLAND, E.			
	a. Northern.			
	b. Southern.			
b.	Lowestoft 𝔐	83	⊙, M.	a, d.
b.	Cromer	196	W, ⊙, M.	—
a.	Hillington 𝔐	88	W, ⊙, M.	a, b, c.
a.	Yarmouth	9	W, ⊙, M.	a, c.
a.	Norwich	93	W, m.	d.
a.	Geldeston	37	W, ⊙, M.	a, c, d.
b.	Cambridge	41	W, ⊙, M.	a, d.
b.	Woburn	291	M.	—
b.	Felixstowe	10	W, ⊙, m.	—
b.	Clacton-on-Sea	54	W, ⊙, M.	—
b.	Berkhamsted 𝔐	400	⊙, M.	a, c.
b.	Rothamsted	424	W, ⊙, m.	a, c, d.
b.	Benningtcn 𝔐	406	M.	a, c.
b.	*Dunmow*	297	M.	a, d.
b.	Shoeburyness	13	W, m.	a, d.
b.	Southend	100	⊙, m.	a.
b.	Tottenham	51	W, ⊙, M.	—
	4. MIDLAND COUNTIES.			
	a. Eastern.			
a.	Harrogate	476	W, ⊙, M.	a.
a.	**Bradford**	330	⊙, M.	(d.)
a.	Bawtry	65	W, M.	a, c.
a.	Garforth	195	⊙, M.	—
a.	Worksop 𝔐	56	⊙	a, d.
a.	Huddersfield	409	M.	—
a.	**Buxton** 𝔐	987	W, ⊙, M.	a, b.
a.	**Wakefield** 𝔐	96	M.	a, c.
a.	Nottingham	82	W, ⊙, M.	a.
a.	Belvoir Castle	259	⊙, M.	a, d.
a.	Birmingham, Edgbaston	535	W, ⊙, M.	a, d.
a.	**Rugby**	379	m.	a, c.
a.	**Raunds** 𝔐	205	W, m.	—
a.	Coventry	270	⊙, M.	a.
a.	Oxford	208	W, ⊙, M.	a, c.
a.	Winslow	379	m.	—

	Stations.	Height in feet above M.S.L.	Character of information published.	Averages
	4. MIDLAND COUNTIES—*cont.*			
	b. Western.			
	Cheadle	646	W, m.	**a, b, c.**
	Stokesay	370	M.	—
	Sheffield	429	⊙, M.	**a, c, d.**
b.	Shrewsbury	191	W, M.	**d.**
	Hereford	291	W, m.	**a.**
	Cheltenham	184	⊙, M.	**a, c.**
	Cirencester	446	W, ⊙, m.	**a, c.**
	Bath	66	W, ⊙, M.	**a.**
	5. ENGLAND, S.E.			
	Ramsgate	—	⊙	—
	Kew	34	W, ⊙, M.	**a, c, d.**
	Reading	264	M.	**d.**
	Marlborough	424	W, ⊙, m.	**a, c.**
	Salisbury	180	M.	**a, d.**
	Margate	35	W, ⊙, m.	**a, c, d.**
	Epsom	160	m.	—
	Wisley, Surrey	150	W, ⊙, m.	—
	Wokingham	216	m.	—
	Swarraton	310	W, m.	**a, c.**
	Maidenhead	99	m.	—
	Brighton	31	⊙, M.	**a, d.**
	Portsmouth	11	⊙, M.	**a.**
	Bournemouth	145	⊙, m.	—
	Totland Bay	84	⊙, m.	**a.**
	Bognor	20	⊙, m.	—
	Worthing	33	⊙, m.	**a, c.**
	Tunbridge Wells	421	W, ⊙, m.	**a, c.**
	Dover	198	⊙, M.	—
	Folkestone	121	⊙, m.	—
	Dungeness	21	W, M.	**a, c.**
	Littlestone	—	⊙	**a.**
	Bexhill	27	m.	—
	Hastings	99	W, ⊙, M.	**a, c, d.**
	Southampton	78	W, ⊙, M.	**a, c, d.**
	Westbourne	30	⊙	—
	Ventnor	80	⊙, M.	**a, c.**
	Eastbourne	39	⊙, M.	**a.**
	Broadstairs	140	⊙, m.	—
	Weymouth	21	⊙, m.	—
	LONDON.			
	Barnet	211	M.	**a.**
	Camden Square	110	⊙, M.	**a, d.**
	Norwood	220	M.	**a.**
	Westminster	27	W, ⊙, M.	**a.**
	Greenwich	155	W, ⊙, M.	**a, c, d.**
	Bunhill Row	80	⊙	**a.**
	6. SCOTLAND, W. (*a.*) **ISLE OF MAN** (*b.*)			
	Laudale	14	W, M.	**a, c.**
	Oban	—	⊙	—
	Poltalloch	132	W, M.	**c.**
	Glasgow	180	W, ⊙, M.	**a, c, d.**
	Thornton Hall	440	⊙, m.	—
a.	**Rothesay**	115	W, M	**c, d.**
	Kilmarnock	?90	W, ⊙, m.	—
	Colmonell	139	W, M.	—
	Dumfries	70	W, M.	**a.**
	Cally	120	W, M.	**a.**
b.	Douglas	137	W, ⊙, M.	**a, c, d.**
	7. *a.* **ENGLAND, N.W.**			
	Hoylake	?30	⊙, m.	**a.**
	Aspatria	250	W, ⊙, M.	**a.**
	Newton Rigg	559	W, ⊙, M.	**a.**
	Carnforth	174	⊙, m.	—
	Stonyhurst	375	W, ⊙, M.	**a, c, d.**
	Darwen	710	⊙, m.	—
	Blackpool	66	W, ⊙, M.	**a.**
a.	**Burnley**	459	⊙, m.	**d.**
	Manchester (Prestwich)	320	W, ⊙, M.	**a, c.**
	,, (Oldham Road)	190	⊙, M.	**a.**
	,, (Whitworth Park)	125	⊙, M	—
	Liverpool (Bidston Obs.)	188	W, ⊙, M.	**a, c.**
	Hawarden Bridge	22	m.	**a.**
	Southport	37	⊙, M.	**a.**

	Stations.	Height in feet above M.S.L.	Character of information published.	Averages.
	(*b*) **NORTH WALES.**			
	Rhyl	30	⊙, m.	**a.**
	Llandudno	71	W, ⊙, M.	**a, b, c, d.**
b.	Holyhead	48	W, M.	**a, c.**
	Towyn	10	⊙, m.	—
	Aberdovey	—	⊙, m.	—
	Bettws-y-Coed	101	W, ⊙, M.	—
	8. *a.* **SOUTH WALES.**			
	b. **ENGLAND, S.W.**			
	Aberystwyth	59	⊙, m.	—
	Llangammarch Wells	550	W, ⊙, M.	**a.**
	Pembroke	149	W, ⊙, M.	**a, c.**
a.	Haverfordwest	93	⊙	—
	Cardiff	50	W, ⊙, M.	**a, d.**
	Swansea	24	m.	—
	Tenby	79	⊙	**a.**
	Port Talbot	179	⊙	—
	Clifton	229	W, ⊙, M.	**a, d.**
	Shaftesbury	722	W, m.	**a, d.**
	Arlington	613	W, m.	**a, c.**
	Woolacombe	59	⊙, M.	**a.**
	Newquay	100	⊙, m.	**a, d**
	Salcombe	300	⊙	—
	Penzance	54	⊙, m.	**d.**
b.	Cullompton	202	W, ⊙, m.	**a, c.**
	Rousdon	515	⊙, M.	**c.**
	Portland Bill	19	W, M.	—
	Torquay	12	⊙	**a, d.**
	Plymouth	116	W, ⊙, M.	**a, c.**
	Whitchurch	593	M.	—
	Falmouth	167	W, ⊙, M.	**a, c.**
	Forest of Dean	200	m.	—
	,, ,,	900		
	9. IRELAND, N.			
	a. Western.			
	b. Eastern.			
	Malin Head	230	W, M.	**a, c.**
a.	Blacksod Point	37	W, M.	**a.**
	Markree Castle	122	W, ⊙, M.	**a, b, c.**
	Armagh	196	W, ⊙, M.	**a, c, d.**
b.	Donaghadee	40	W, M.	**a, c.**
	Belfast	61	⊙, M.	**a, d.**
	10. IRELAND, S.			
	a. Eastern.			
	b. Western.			
	Dublin, City	47	W, M.	**a, b, c.**
	,, Trinity College	12	⊙, M.	—
	,, Phœnix Park	155	⊙, M.	**a, c.**
a.	,, **Glasnevin**	67	m.	**a, c.**
	Kingstown	42	m.	—
	Clongowes Wood College	?237	⊙, m.	—
	Kilkenny	212	W, m.	**a, c.**
	Waterford	?20	W, M.	**a.**
	Birr Castle	175	W, ⊙, M.	**a, b, c.**
	Foynes	108	W, m.	**a, c.**
	Cahir	121	W, m.	—
b.	Killarney	174	W, M.	**a, c.**
	Valencia	30	W, ⊙, M.	**a, c.**
	Roche's Point	32	W, M.	**a, c.**
	Ballinacurra	24	⊙, m.	—
	11. ENGLISH CHANNEL.			
	Scilly	131	W, ⊙, M.	**a, c.**
	Jersey (St. Aubin's)	25	W, ⊙, M.	**a, c.**
	,, (St. Helier's)	—	—	—
	Guernsey (Villa Carey)	180	W, ⊙, m.	**a.**
	,, Fort Road	297	⊙, M.	**a, c.**

WEEKLY REPORT.

The general arrangement of the weekly issues of the Report is as follows :—

I. General Remarks and characterisation of the warmth, rainfall, and sunshine of each district.
II. Weekly, Seasonal, and Annual Summaries, arranged under *Districts*.
III. Weekly Summary arranged under *Stations*.
IV. Temperature on the Grass and in the Ground.
V. Temperature of the Sea.
VI. Daily Charts.
VII. Observations in the Upper Air.

The information given under each of these heads may be summarised as follows :—

I. *General Remarks* on the weather for the week. A tabular statement describing the warmth, rainfall and sunshine experienced in each district in accordance with the definitions given above on p. [iii]. A summary of these results for the current season and for the last four completed seasons.

II. *Weekly Summary* for *Districts*.—The Tabular Summary on the page of each Report gives for the week and for each District :—

Temperature.—The highest and lowest observed, the mean maximum, the mean minimum, the mean temperature, and its difference from the average for the corresponding period. The values for "accumulated temperature" above 42° F. and below 42° F. for the week and for the periods from the beginning of the season and of the year, and the differences from the average values for the corresponding periods. The averages are derived from observations extending over the 25 years 1881–1905.

Rainfall.—The total fall and the number of rain-days for the week, and for the part of the season and year to date, together with the differences from average for the corresponding periods based on observations from 1881–1905.

Bright Sunshine.—The number of hours of sunshine recorded, and the percentage ratio of that time to the whole time during which the sun was above the horizon : also the progressive values reckoned from the commencement of the season and of the year, together with the differences between these values and the averages for the corresponding periods in the 25 years 1881 to 1905.

III. *Weekly Summary* for *Stations*.—This appears on the third page in each weekly issue and contains the data used in the preparation of the Summaries on the first page, the values being set out for each Station. The information given is in nearly the same form as that presented for each District in II., but cumulative values for the season and the year are not given for stations.

IV. *Temperature on the Grass and in the Ground*.—For selected stations the number of occasions during the week on which the temperature on the grass fell to 30° or below this limit, and the minimum temperature ; the mean temperature in the ground at depths of 1 foot and 4 feet.

V. The mean temperature of the surface of the sea, and the highest and lowest readings at a selection of stations on the coast of the British Islands.

VI. *Daily Charts*.—These are three in number for each day, and they show the distribution of pressure and wind over the whole of Europe at 8 a.m. and 6 p.m., and the temperature, weather, and sea disturbance at 8 a.m. each day. The maps are accompanied by a brief account of the weather conditions for the day, and the changes that had taken place since the previous day.

VII. *Observations in the Upper Air*.—Temperature, humidity, and wind direction and velocity at various levels, determined from experiments with kites or balloons.

The following Rules are observed in compiling the Tables and preparing the Daily Charts :—

(1.) Daily Mean Temperature.

The daily Mean Temperature shown in the Tables in the *Weekly* Reports is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and at the self-registering Observatories of the Meteorological Committee.

The approximate Mean Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima :—

Months.	Coefficient.
January. December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example :

The mean maximum temperature for a week in December being - - 48°·1
The mean minimum - - - - - - - - - - - - 39°·3
The difference is- - - - - - - - - - - - - 8°·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean temperature of the week.

(2.) Accumulated Temperature.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. For *Districts*, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

Rules for computing, for a Weekly Period, from the observed Maxima and Minima, the Accumulated Temperature above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the co-efficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in cases 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0·4 ; for 52° F., 0·33 ; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

(3.) Daily Charts.

In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus : ➡ = a heavy gale ; ⟶ = a gale ; → = a fresh to strong breeze ; ⟶ = a light to moderate breeze ; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows :—b = blue sky ; c = detached clouds ; o = overcast ; m = misty (hazy) ; f = foggy ; q = squally ; r = rain ; h = hail ; s = snow ; l = lightning, and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain ; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway, and Sweden ; at 6.51 a.m. in France and Algeria ; at 6 a.m. in Italy and Austria ; at 5.25 a.m. in Greece ; at 4.59 a.m. in Russia ; and at 8.36 a.m. in Portugal.

The Chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain ; 4 p.m. in Portugal ; 5.25 p.m. in Greece ; 5.51 p.m. in France ; 6.51 p.m. in Algeria ; 6.59 p.m. in Russia ; 7 p.m. in Germany, Holland, Denmark, Norway, and Sweden ; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich time.

MONTHLY AND ANNUAL SUMMARIES.

Each Monthly Summary includes :—

1. Remarks on the Weather over the British Islands.
2. Table of results for the month from stations giving full returns.
3. Table of results for the month, as far as available, of the observations of Temperature, Rainfall, and Sunshine, at the remainder of the stations.
4. A Plate containing 4 charts, showing—
   (1.) The Monthly Barometric pressure and Winds based on the 8 a.m. readings.
   (2.) The Movements of Depressions.
   (3.) The Distribution of Mean Temperature, and
   (4.) The Monthly Rainfall.

The Annual Summary gives corresponding data for the whole year.

APPENDICES.

Appendix I.—This contains for each of the twelve *Districts* :—

1. Summaries, for each Quarter, of the Temperature and Rainfall records, with similar information for the past years of the period of 42 years, 1866–1907.
2. Tables giving for 1906, *for periods of 4 weeks and 5 weeks*, the progressive numbers of—
   Rain-days.
   Rainfall.
   Accumulated Temperature above 42° F.
   Accumulated Temperature below 42° F.
   Bright Sunshine,—Duration, and
   Bright Sunshine,—Percentage.
3. Summary of the Rain-days, Rainfall, Mean Temperature and Sunshine for each year of the period, 1878–1907.

Appendix II.—This contains for each of the eleven *Districts* and for the English Channel :—

Tables giving for 1907 the *weekly* and *progressive* values of—
Rain-days.
Rainfall.
Accumulated Temperature above 42° F.
Accumulated Temperature below 42° F.
Bright Sunshine,—Duration, and
Bright Sunshine,—Percentage.

Appendix III.—Readings of Anemometers amounting to or exceeding a velocity of 44 statute miles per hour.

Tables showing for each degree of Latitude from 49° N. to 58° N., and for each Weekly and Four-Weekly or Five-Weekly period, the total numbers of hours during which the Sun is above the Horizon, together with their Reciprocals, are given in the Preface to The Weekly Weather Report for 1884, *while similar information for the Calendar Months is given in the Preface to The Monthly Weather Report for* 1884.

THE following is a LIST of the VOLUNTEER OBSERVERS to whom the Committee are indebted for observations contributed to the WEEKLY WEATHER REPORT and published either in the Weekly Issues or in the Monthly Summaries during 1907, together with the NAMES of their STATIONS :—

Names of Stations.	Names of Observers.
Aberdovey	W. J. Eves.
Aberystwyth	Dr. A. Thomas, for the District Council.
Alnwick Castle	Robert Kyle, for the Duke of Northumberland, K.G.
Ampleforth	Rev. J. B. MacLaughlin, B.A., O.S.B.
Arlington (N. Devon)	Lady Chichester.
Armagh	J. L. E. Dreyer, Ph.D., and Staff of Observatory.
Aspatria	J. Smith Hill, B.A., B.Sc.
Ballinacurra	John H. Bennett.
$ Balmoral	J. Michie, M.V.O., and J. M. Troup.
Balruddery	G. Davie, for J. White.
Balta Sound	T. Edmonton Saxby, L.R.C.S.
Bawtry (Hesley Hall)	B. I. Whitaker, J.P.
Bath	W. H. Symons, M.D., for the Corporation.
Belfast	J. Wylie, B.A., and G. Robinson, for Prof. Morton.
ℳ Bennington	Rev. J. Dunne Parkes, LL.D.
Berkhamsted	E. Mawley.
Belvoir Castle	W. H. Divers.
Bettws-y-Coed	Hugh W. Fox, M.D.
Birmingham (Edgbaston).	Alfred Cresswell, for the Midland Institute.
ℳ Blackpool	F. J. H. Coutts, M.D., for the Corporation.
Bognor	H. C. L. Morris, M.D., and J. L. Worssall.
Bournemouth	C. Dales, for the Corporation.
Brighton	A. Newsholme, M.D., and J. F. Skinner, for the Corporation.
Bradford	H. Lander.
Broadstairs	W. H. White, for the District Council.
Burnley	Thos. Holt, M.D., for the Corporation.
Buxton	F. T. Kieldsen.
ℳ Cahir	R. W. Smith.
$ Cally	W. Thomson, for H. G. Murray Stewart.
Cambridge	R. Irwin Lynch, M.A., for the Botanic Garden Syndicate.
Cardiff	E. Walford, M.D., for the Corporation.
Carnforth	W. Farrer.
ℳ Cheadle	Col. B. H. Philips.
Cheltenham	A. C. Saxby, for the Corporation.
Cirencester	Prof. P. G. Gundry, Ph.D., for the R. A. College.
Clacton-on-Sea	A. W. Shadick, for the Town Council.
Clifton	D. Rintoul, M.A.
Clongowes Wood College,	Rev. W. P. Hackett, S.J.
Cockle Park, near Morpeth.	T. B. Hewetson, for Northumberland County Council.
$ Colmonell	A. Beattie.
Coventry	E. Hugh Snell, M.D., for the Corporation.
Crathes	J. Smith.
$ Creiff	Dr. Meikle.
Cromer	W. H. Archer, for the District Council.
Cronkbourne, Douglas	A. W. Moore, M.A., C.V.O., J.P.
ℳ Cullompton	T. Turner, J.P., and M. T. Foster.
Deerness	M. Spence.
Dover	W. C. Hawke, for the Corporation.
Douglas, Isle of Man	*See* Cronkbourne.
Dublin (City)	Sir John W. Moore, M.D.
„ (Glasnevin)	F. W. Moore, M.R.I.A.
„ (Phœnix Park)	Major R. W. H. Buckland, R.E.
„ (Trinity College)	Prof. Thrift.
Dumfries	Rev. W. Andson.
Dunmow	Thomas Hacking, A.Sc., for the Countess of Warwick's Agricultural School.
Dundee	J. Carnochan.
Dunrobin Castle	D. Melville, for the Duke of Sutherland, K.G.
Durham	Prof. R. A. Sampson, M.A., F.R.S.
Eastbourne	S. R. Henderson, for the Corporation.
Edinburgh	Regius Keeper, Botanic Gardens.
Epsom	S. C. Russell.
Felixstowe	Coastguard, for the Urban District Council.
Folkestone	A. E. Nichols, C.E., for the Corporation.
Forest of Dean	V. F. Leese.
$ Fort Augustus	Rev. C. von Dieckhoff.
Fort William	W. T. Kilgour.
Foynes	J. J. Alcorn, for Lord Monteagle, K.P.
Fulbeck	Rev. Vere F. Willson, M.A.
Garforth	Prof. Seton, for the Yorkshire College, Leeds.
Geldeston	E. T. Dowson.
Glasgow	Prof. Becker and the Staff of Observatory.
$ Glencarron	D. D. Munro.
$ Gordon Castle	C. Webster.
Greenwich	Astronomer Royal.
Guernsey (Villa Carey)	F. E. Carey, M.D.
„ (Fort Road)	A. Collenette.
Harrogate	F. I. Dixon, A.M. Inst. C.E., for the Corporation.
Hastings (St. Leonards)	H. Colborne, M.R.C.S., for the Corporation.
Hawarden Bridge	F. B. Summers.
Haverfordwest	J. W. Phillips.
ℳ Hereford (Belmont)	Canon T. B. Harrington, O.S.B.
ℳ Hillington	Rev. H. E. B. Ffolkes, M.A., F. R. Met. Soc.
Hoylake	Tom Robinson, for Urban District Council.
Huddersfield	J. Firth.
Hull	H. B. Witty.
Kilkenny Castle	E. Sutton, for the Marquis of Ormonde, K.P.
Killarney	E. W. Griffin, M.D.
Kilmarnock	James Johnston, for West of Scotland Agricultural College.
Kingstown	The late Dr. J. B. Power and R. A. O'Donovan, M.D., for the Corporation.

Names of Stations.	Names of Observers.
$ Lairg	Rev. J. K. Maclean.
Laudale	J. A. Fletcher.
Lincoln	S. R. Moss, for the Corporation.
Littlestone-on-Sea	H. T. Tubbs.
ℳ Llandudno	W. Little, for Town Council.
Llangammarch Wells	W. Black Jones, M.D.
London (Bunhill Row)	Messrs. De la Rue.
„ (Westminster)	J. H. Cowham.
Lowestoft	C. W. Edwards, for the Corporation.
Maidenhead	G. H. Palmer.
Manchester (Oldham Road).	J. Niven, M.A., M.B., for the Corporation.
Manchester (Whitworth Pk.).	The University of Manchester.
$ Marchmont	J. A. Wood, for Sir H. P. Campbell, Bt.
Margate	J. Stokes, J.P.
Markree Castle	J. R. Armstrong, for Bryan Cooper.
Marlborough	C. F. C. Padel.
Newcastle-on-Tyne	N. H. Martin, F.C.S., F.R.S.E.
Newquay	C. C. Vigurs, B.A., M.D., for Urban Council.
Newton Rigg	W. T. Lawrence, for the Cumberland County Council.
Nottingham	J. Brown, A.M.I.C.E., City Engineer.
Norwich	A. W. Preston.
Norwood	W. Marriott.
Oban	Rev. J. S. Begg.
Oxford	A. A. Rambaut, M.A., F.R.S.
Petersfield	C. J. P. Cave.
Plymouth	H. Victor Prigg, A.M.I.C.E., for the Corporation.
Poltalloch	D. S. Melville.
Port Talbot	Miss Talbot and G. Lipscombe.
Portsmouth	Medical Officer of Health.
Prestwich	The Medical Superintendent of the Asylum.
Ramsgate	T. G. Taylor, C.E., for the Corporation.
Rauceby Hall	J. Hope, for General Sir M. Willson, K.C.B.
Raunds	Léon H. Lea.
Reading	John Ridges, M.A.
Rounton	J. Hanagan, for Sir Hugh Bell, Bart.
Rothamsted	The Lawes' Agricultural Trust.
Rothesay	Robert Henderson.
ℳ Rousdon	C. Grover, for the Hon. Lady Peck.
Rhyl	A. A. Goodall, C.E., for District Council.
Rugby	Rev. O. M. Samson, M.A.
Salcombe	V. W. Twining, M.D.
Salisbury	Thos. Challis, for the Earl of Pembroke, G.C.V.O.
Saltburn-by-the-Sea	J. Allen Bennett, M.D., and Pearson Bros.
ℳ Scarborough	W. W. Larkin, for the Corporation.
Seaham	G. H. Aird.
ℳ Shaftesbury	Rev. F. Ehlvers.
Sheffield	E. Howarth, F.R.A.S.
Shoeburyness	Supt. of Experiments.
Shrewsbury	Capt. Manser, R.E.
Skegness	S. Coetmore Jones, for the District Council.
Southampton	A. Vaughan, R.E., for Director General, Ordnance Survey.
Southend-on-Sea	E. J. Elford, C.E., for the Corporation.
Southport	J. Baxendell.
Stokesay	Rev. W. M. D. La Touche, B.A.
Stonyhurst	Staff of Observatory.
Strathpeffer Spa	N. W. Kay, B.A., M.B.
ℳ Swarraton	Rev. W. L. W. Eyre, M.A.
Tealby	Rev. S. Lewin, B.A.
Tenby	R. J. Truscott, for the Corporation.
Thornton Hall, Lanarkshire.	A. Henderson Bishop.
Tillypronie	Robert Littlejohn, for Sir John F. Clark, Bart.
Torquay	F. March, for the Corporation.
Totland Bay	J. Dover, M.A.
Tottenham	J. F. Butler-Hogan, M.D., LL.D., for District Council.
ℳ Tunbridge Wells	F. G. Smart, M.A., M.B.
Towyn	E. Lewys Lloyd, M.D.
Ventnor Hospital	Miss M. Gibson.
Wakefield	Alex. French, M.R.C.S., L.R.C.P.
Waterford	J. N. White.
Westbourne	Rev. L. P. Birkett.
West Linton	Rev. J. S. Begg.
Whitby	T. Newbitt.
ℳ Whitchurch	E. E. Glyde.
Winslow	R. A. Easton.
Wisley	The Superintendent, for the Roy. Hort. Society.
Woburn	H. M. Freear, F.C.S., for the Royal Agricultural Society.
Wokingham	The Medical Superintendent of the Sanatorium.
Woolacombe	B. Fanshawe.
Worksop	H. Mellish, J.P.
Worthing	A. G. R. Cameron, M.D., for the Corporation.
York (Museum)	Oxley Grabham, M.A., for the York Phil. Soc.
„ (Bootham)	H. Richardson, M.A.

Stations marked "ℳ" report through the Royal Meteorological Society ; those marked "$" through the Scottish Meteorological Society.

Corrections and Additions to the Weekly Weather Report for December, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.

All corrections are incorporated in the results issued in the Monthly Summary.

Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature.										Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the week from Average, 25 Years.	Accumulated Heat for the week in Day-degrees. Above 42°	Accumulated Heat for the week in Day-degrees. Below 42°	No. of Rain-days.	Rain-fall in the Week.	Difference from the Average for the Week, 25 Years.	Number of Hours Recorded.	Difference from the Average for the Week, 25 Years.	Percentage of possible duration.	Difference from the Average for the week, 25 Years.
District Values.		°		°		°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 50, p. 394 ..	2. England, N.E.	56	—	—	—	46·3	37·0	—	—	—	22	—	1·08	+0·50	—	—	—	—
No. 52, p. 410 ..	2. England, N.E.	—	—	—	—	—	—	—	—	—	—	—	0·27	-0·13	—	—	—	—
Station Values, Additions.																		
No. 50, p. 395 ..	Lincoln	56	—	34	—	46·7	37·1	42·1	+ 3·6	21	14	6	0·92	+0·49	—	—	—	—
No. 51, p. 403 ..	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	7·0	—	14	—
No. 52, p. 411 ..	Sumburgh Head	45	—	30	—	41·7	35·9	38·9	- 1·0	0	22	7	0·60	-0·42	—	—	—	—
No. 52, p. 411 ..	Littlestone ..	—	—	—	—	—	—	—	—	—	—	—	—	—	11·9	—	22	—
No. 52, p. 411 ..	Torquay	—	—	—	—	—	—	—	—	—	—	—	—	—	1·3	-11·4	2	-21
Station Values, Corrections.																		
No. 49, p. 387 .	Eastbourne ..	—	—	—	—	—	—	—	—	—	—	—	—	—	18·4	+6·1	33	+11
No. 49, p. 387 ..	Douglas, Isle of Man.	—	—	—	—	—	—	—	- 0·1	—	—	—	—	—	—	—	—	—
No. 49, p. 387 ..	Shaftesbury	—	—	—	—	—	36·1	41·3	+ 1·1	—	25	—	—	—	—	—	—	—
No. 49, p. 387 ..	Plymouth ..	—	—	—	—	—	—	—	—	—	—	—	1·78	+0·95	—	—	—	—
No. 49, p. 387 ..	Armagh	48	—	—	—	45·2	—	39·0	- 1·7	9	38	—	—	—	—	—	—	—
No. 49, p. 387 ..	Cahir ..	—	—	—	—	47·1	—	39·9	- 2·9	16	—	—	—	—	—	—	—	—
No. 50, p. 395 ..	Cahir ..	49	—	—	—	47·0	—	40·8	- 1·6	14	33	—	—	—	—	—	—	—
No. 52, p. 411 ..	Wick	—	—	—	—	—	—	—	—	—	—	—	0·12	-0·53	—	—	—	—
No. 52, p. 411 ..	Durham	—	—	—	—	41·6	—	37·6	- 0·1	—	31	—	—	—	—	—	—	—
No. 52, p. 411 ..	York	—	—	—	—	—	—	—	—	—	—	—	0·11	-0·33	5·1	-0·6	10	-1
No. 52, p. 411 ..	Cirencester ..	—	—	—	—	—	—	—	—	—	—	—	—	—	3·3	-5·8	6	-11

Number and Page of Report.	Numbers of Districts and Names of Stations.	Grass, No. of Days.	Minimum Lowest Reading.	Mean Earth Temperature. 1 ft.	Mean Earth Temperature. 4 ft.
Station Values, Additions.					
No. 50, p. 396 ..	Lincoln	—	—	42·4	45·0
Station Values, Corrections.					
No. 50, p. 396 ..	Bath	—	—	—	48·6
No. 50, p. 396 ..	Plymouth ..	1	—	—	—
No. 51, p. 404 ..	Manchester, City	1	28	—	—

Corrections and additions have been published in the following pages of the Report, viz.: pages 60 (Jan.), 92 (Feb.), 124 (Mar.), 156 (Apr.), 196 (May), 228 (June), 268 (July) 308 (Aug.), 332 (Sep.), 364 (Oct.), and 404 (Nov.).

ERRATA IN THE MONTHLY SUMMARIES.

The following values should be substituted for those appearing in the Summaries as printed :—

NOTE.—Corrections to the Temperature values are not included in this list unless the mean as printed is altered by more than 0°·1.

January,	p. iv.	... Kew.—Barometer, top line, difference from average, + ·314.
		Falmouth.—Barometer, top line, difference from average, + ·390.
	p. v.	... Llangammarch Wells.—Wind, No. of force 4–7, 14.
	p. vi.	... Margate.—Sunshine. 70 hrs.; difference from average, + 23 hrs.; percentage of possible duration, 28; difference from average, + 9.
	p. vi.	... Bournemouth.—Temperature. Mean minimum, 35°·0; mean of minimum and maximum, 40°·3.
February,	p. xi.	... Greenwich.—Sunshine, difference from average, + 1.
		„ Barometer, lower line, 29·843; difference from average, + ·041.
		„ Temperature. Mean of A. and B. 37°·8; difference from average, — 1°·7.
	p. xii.	♏ Swarraton.—Temperature. Mean of maximum, 41°·9; mean of minimum and maximum combined, 35°·8; difference from average, — 3°·0.
	p. xii.	... Southampton.—Date of minimum temperature should be 3rd.
	p. xii.	... Guernsey, Villa Carey.—Temperature. Maximum, 44°·6. Mean of A. and B. 41°·1; difference from average, — 2°·5.
	p. xiv.	... Bournemouth.—Temperature. Mean of minimum, 31°·7; mean of minimum and maximum combined, 38°·0.
March,	p. xx.	♏ Swarraton.—Temperature. Mean of minimum, 32°·9; mean of minimum and maximum combined, 43°·0; difference from average, + 1°·9.
		Stonyhurst.—Absolute minimum temperature 26° on 12th.
		Hawarden Bridge.—Temperature. Mean of maximum, 53°·5; mean of minimum and maximum combined, 45°·0; difference from average, + 2°·1.
	p. xxi.	... Manchester, Whitworth Park.—Sunshine. 123 hrs.; percentage of possible duration, 34.
April,	p. xxix.	... Stonyhurst.—Rainfall. 15 days; total fall, 1·88 ins.; difference from average, — 0·60 ins.
June,	p. xlv.	... Portsmouth.—Wind. Number of observations of force 4–7, 42.
		Llangammarch Wells.—Wind. Number of observations of force 4–7, 30.
July,	p. lii.	... Brighton.—Temperature. Mean of minimum and maximum combined, 58°·9.
	p. liii.	... Belfast.—Wind. South, 3.
August,	p. lviii.	♏ Scarborough.—Temperature. Difference from average, — 0°·1.
	p. lix.	... Coventry.—Wind. Number of observations of force 4–7, 4.
		Bath.—Sunshine. 190 hrs.
	p. lx.	... Guernsey, Brooklyn.—Barometer. 29·746 ins.
	p. lxi.	... Portsmouth.—Wind. Number of observations of force 4–7, 26.
		Llangammarch Wells.—Wind. Number of observations of force 4–7, 14.
		Clifton.—Rainfall. 18 days; total fall 2·33 ins.; difference from average, — 1·24 ins.; most in a day, 0·46 in. on the 2nd.
September,	p. lxvi.	♑ Marchmont.—Earth Temperature. 53°·8 at 1 ft.
October,	p. lxxiv.	♑ Marchmont.—Earth Temperature. 48°·5 at 1 ft.
	p. lxxv.	... Sheffield.—Rainfall. Difference from average, + 1·73 ins.
	p. lxxvi.	... Kew.—Barometer, top line. Difference from average, — ·262 in.
		Falmouth.—Barometer, top line. Difference from average, — ·304 in.
		Valencia.—Barometer, lower line. 29·519 ins. Difference from average, — ·367 in.
	p. lxxvii.	♏ Woolacombe.—Sunshine. Hours, difference from average, + 5; percentage, difference from average, + 2.
November,	p. lxxxii.	... Nottingham.—Dates of absolute maximum temperature, 2nd and 9th.
December,	p. xcii.	... Valencia.—Temperature, lower line. Mean of A. and B. 45°·4; difference, — 0°·1.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 1. FIRST WEEK, ENDING SATURDAY, JANUARY 5TH, 1907.

[*Price 6d.*
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I.—General Remarks.

Weather. At the beginning of the week the conditions were very wintry, with snow or sleet in many places, but the temperature subsequently rose quickly, and the precipitation during the later days was mostly rain.. Several fair or very fine intervals occurred from time to time—especially in southern and eastern England. Thunderstorms were experienced at Valencia, Pembroke and Worthing on the 3rd, thunder was heard at Guernsey, and lightning was observed either on the 2nd or 3rd at a few other southern stations. Parhelia were observed on Friday in many parts of England.

Temperature was below the average over Scotland, Ireland, and the north-east of England—as much as 4° or 5° in Scotland N. and E.—but differed little from the normal over the remainder of England. The lowest of the minima were recorded either on Dec. 30th or 31st; in Scotland E., the thermometer fell to 7° at Balmoral and to 4° at Crathes; at the latter station (the particulars for which are not included in the summary on page 3), the temperature on the grass was as low as −5°. In nearly all other districts the minima were below 20°, but in the English Channel the lowest reading was 32°. The highest of the maxima, which were generally recorded during the latter part of the week, were 50° or above in all districts, the highest being 54° in England S.W. and 56° in Ireland S.

Mean Temperature of the Sea as recorded at stations from which reports have been received, showed an almost uniform temperature of 44° along the western coasts, but on the eastern side of the mainland the temperature of the water was lower towards the north, and on the whole, except at Wick, was about 6° lower than the western seas.

Rainfall exceeded the average in all parts of the Kingdom except Ireland S., but the excess was very slight in England N.E.

Bright Sunshine was moderate over these Islands as a whole, but exceeded the average in the north-eastern and southern parts of England. The percentage of the possible amount of duration ranged from 26 in England S. and 21 in England E. to 13 in England N.W., 9 in Scotland W. and 6 in Scotland N.

Barometer and Wind. The general type of conditions was south-westerly or westerly, but as the depressions arriving over our north-western and northern districts from the Atlantic, were not, as a rule, of any great intensity, the winds were seldom stronger than a moderate or fresh breeze. A disturbance that was centred over the Orkneys on the morning of Wednesday, was, however, very deep, the minimum barometer reading being below 28·4 ins. and the accompanying winds were strong to a gale in force, both over Scotland and the English Channel region.

THE WEEK.

For explanation of the terms "Unusual," "Heavy," "Abundant," &c., *see* page 4.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks

WINTER, 1906–7. 5 weeks from Dec. 2nd, 1906.	Warmth ...	2 * 3	2 * 3	1 * 3	1 * 2	1 * 1	1 * 2	2 * 3	1 * 2	0 * 3	2 * 2	1 * 3	0 * 3
	Rainfall ...	2 * 0	2 * 2	1 * 2	2 * 1	1 * 1	1 * 2	1 * 1	3 * 1	1 * 1	2 * 1	1 * 3	2 * 2
	Sunshine ...	0 * 3	2 * 0	3 * 1	1 * 0	2 * 1	3 * 1	1 * 1	2 * 1	2 * 1	1 * 1	1 * 1	0 * 1

PAST SEASONS.

WINTER, 1905–6. Dec. 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 * 0
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (1st)—December 30th, 1906, to January 5th, 1907.

DISTRICTS. (See p. 3.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	8	38·6	27·6	33·3	− 4·9	0	− 6	61	+ 27	6	+ 1	2·05	+1·07	3	− 2	6	− 5
Eastern																		
1. SCOTLAND, EAST	52	7	37·9	25·4	32·0	− 5·0	0	− 6	70	+ 29	5	+ 1	0·88	+0·31	5	− 2	10	− 4
2. ENGLAND, N.E.	50	17	40·8	30·2	35·7	− 2·1	0	− 6	44	+ 7	4	0	0·44	+0·02	9	+ 2	18	+ 4
3. ENGLAND, EAST	52	15	42·7	30·6	36·9	− 0·4	2	− 6	42	0	5	+ 1	0·79	+0·33	11	+ 2	21	+ 3
4. MIDLAND COUNTIES	53	14	43·5	31·0	37·5	+ 0·3	4	− 5	41	− 1	5	+ 1	0·70	+0·18	9	+ 1	16	+ 1
5. ENGLAND, SOUTH	52	16	45·3	34·2	40·0	+ 0·9	9	− 3	31	− 1	5	+ 1	0·94	+0·40	15	+ 5	26	+ 9
Western																		
6. SCOTLAND, WEST	53	21	41·1	32·1	36·8	− 2·6	0	− 9	36	+ 7	6	+ 1	1·47	+0·32	4	− 2	9	− 5
7. ENGLAND, N.W.	53	20	43·6	33·9	38·9	− 0·2	4	− 6	31	+ 1	6	+ 2	0·99	+0·32	5	− 2	13	− 4
8. ENGLAND, S.W.	54	13	46·1	31·7	40·6	− 0·4	11	− 5	30	+ 7	6	+ 1	1·45	+0·51	10	− 1	18	− 2
9. IRELAND, NORTH	53	19	44·8	33·0	39·1	− 1·1	8	− 4	35	+ 10	7	+ 2	1·21	+0·38	8	− 1	16	− 1
10. IRELAND, SOUTH	56	11	47·6	34·1	41·1	− 0·9	16	− 4	33	+ 14	6	+ 1	0·85	−0·22	8	− 2	15	− 5
11. CHANNEL ISLANDS	53	32	49·2	40·8	45·2	+ 0·7	27	+ 1	3	− 6	7	+ 2	1·05	+0·25	11	− 2	20	− 4

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 5 Weeks, December 2nd, 1906, to January 5th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	54	+ 12	220	+ 73	30	+ 5	7·52	+1·06	11	− 14	5	− 6
Eastern																		
1. SCOTLAND. EAST	58	7	*	*	*	*	55	+ 16	238	+ 63	21	0	3·07	−0·18	37	+ 1	6	+ 1
2. ENGLAND, N.E.	56	17	*	*	*	*	32	− 15	204	+ 57	21	+ 3	2·54	+0·15	50	+ 13	20	+ 5
3. ENGLAND, EAST	56	14	*	*	*	*	32	− 18	213	+ 45	21	+ 2	2·75	+0·45	53	+ 9	20	+ 4
4. MIDLAND COUNTIES	57	14	*	*	*	*	40	− 16	193	+ 17	21	+ 2	2·74	+0·11	55	+ 12	21	+ 5
5. ENGLAND, SOUTH	56	3	*	*	*	*	43	− 38	167	+ 43	22	+ 4	2·58	−0·36	66	+ 16	25	+ 6
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	51	− 12	164	+ 48	25	+ 3	5·91	−0·17	35	+ 2	14	+ 1
7. ENGLAND, N.W.	57	14	*	*	*	*	49	− 16	142	+ 23	25	+ 5	4·24	+0·61	41	+ 7	16	+ 3
8. ENGLAND, SW.	56	13	*	*	*	*	63	− 37	123	+ 33	22	0	4·46	−0·34	60	+ 5	22	+ 2
9. IRELAND, NORTH	56	8	*	*	*	*	69	− 5	123	+ 19	27	+ 2	4·68	+0·42	42	− 1	17	− 1
10. IRELAND, SOUTH	57	11	*	*	*	*	92	− 22	105	+ 20	25	+ 2	3·47	−1·64	45	− 9	17	− 3
11. CHANNEL ISLANDS	56	28	*	*	*	*	124	− 35	28	+ 1	28	+ 4	3·98	−0·55	57	− 6	20	− 2

THE YEAR.—Aggregates, &c., for the period of 1 Week, December 30th, 1906, to January 5th, 1907.

0. SCOTLAND, NORTH	50	8	*	*	*	*	0	− 6	61	+ 27	6	+ 1	2·05	+1·07	3	− 2	6	− 5
Eastern																		
1. SCOTLAND, EAST	52	7	*	*	*	*	0	− 6	70	+ 29	5	+ 1	0·88	+0·31	5	− 2	10	− 4
2. ENGLAND, N.E.	50	17	*	*	*	*	0	− 6	44	+ 7	4	0	0·44	+0·02	9	+ 2	18	+ 4
3. ENGLAND, EAST	52	15	*	*	*	*	2	− 6	42	0	5	+ 1	0·79	+0·33	11	+ 2	21	+ 3
4. MIDLAND COUNTIES	53	14	*	*	*	*	4	− 5	41	− 1	5	+ 1	0·70	+0·18	9	+ 1	16	+ 1
5. ENGLAND, SOUTH	52	16	*	*	*	*	9	− 3	31	− 1	5	+ 1	0·94	+0·40	15	+ 5	26	+ 9
Western																		
6. SCOTLAND, WEST	53	21	*	*	*	*	0	− 9	36	+ 7	6	+ 1	1·47	+0·32	4	− 2	9	− 5
7. ENGLAND, N.W.	53	20	*	*	*	*	4	− 6	31	+ 1	6	+ 2	0·99	+0·32	5	− 2	13	− 4
8. ENGLAND, S.W.	54	13	*	*	*	*	11	− 5	30	+ 7	6	+ 1	1·45	+0·51	10	− 1	18	− 2
9. IRELAND, NORTH	53	19	*	*	*	*	8	− 4	35	+ 10	7	+ 2	1·21	+0·38	8	− 1	16	− 1
10. IRELAND, SOUTH	56	11	*	*	*	*	16	− 4	33	+ 14	6	+ 1	0·85	−0·22	8	− 2	15	− 5
11. ENGLISH CHANNEL	53	32	*	*	*	*	27	+ 1	3	− 6	7	+ 2	1·05	+0·25	11	− 2	20	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

III.—DATA from which the SUMMARY on page 2 has been calculated.

Dec. 30, 1906–Jan. 5, 1907.		Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	46	23	38·7	29·6	34·3	– 5·0	0	54	7	2·23	+ 1·29	2·6	– 3·4	6	– 8
	Stornoway	50	24	40·4	29·7	35·3	– 3·7	0	47	7	1·29	+ 0·03	2·4	– 3·6	5	– 8
0. SCOTLAND, N. — Mainland.	Wick	45	10	40·7	26·9	34·1	– 4·1	0	55	6	1·48	+ 0·92				
	†Lairg (Strathpeffer)	46	8	35·0	24·5	30·0	– 5·4	0	84	?6	2·04	+ 1·24	4·4	– 2·7	10	– 6
	Glencarron	49	13	38·0	26·8	32·6	– 4·9	0	66	6	2·97	+ 0·63	*	*	*	*
	Fort Augustus	49	14	38·6	26·7	32·9	– 5·3	0	64	6	1·78	+ 0·50	1·7	– 1·3	4	– 3
	Fort William	48	19	38·9	28·9	34·1	– 5·0	0	55	6	2·55	+ 0·41	*		*	*
1. SCOTLAND, E.	Nairn	50	9	40·0	23·7	32·2	– 5·5	0	69	6	0·53	+ 0·08	3·0	—	7	—
	Aberdeen	47	13	37·7	24·3	31·3	– 6·5	0	75	6	1·31	+ 0·76	6·4	– 3·8	14	– 8
	†Balmoral (Crathes)	47	7	34·0	22·6	28·5	– 6·1	0	95	6	0·77	+ 0·07	7·4	—	16	—
	†Clathick (Balruddery)	48	19	36·8	26·8	32·0	– 4·9	0	70	4	1·16	+ 0·16	6·4	—	13	—
	†Leith (Edinburgh)	52	20	42·7	29·1	36·2	– 2·9	2	48	5	0·52	+ 0·14	2·2	– 3·8	5	– 8
	Marchmont	45	16	36·4	26·1	31·5	– 4·9	0	74	3	1·01	+ 0·39	3·2	– 6·2	7	– 13
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	48	20	39·9	27·7	34·0	– 4·0	0	56	2	0·49	– 0·05	5·9	—	12	—
	†Shields (Newcastle)	48	24	40·1	28·7	34·6	– 3·9	0	52	4	0·38	– 0·06	2·1	– 3·3	4	– 7
	Durham	49	23	39·0	30·5	34·9	– 2·6	0	50	4	0·32	– 0·16	7·8	– 2·1	16	– 4
	Scarborough	47	26	40·9	31·3	36·3	– 2·5	0	40	4	0·30	– 0·18	9·6	—	19	—
	York	49	20	41·3	31·8	36·7	– 1·3	0	37	5	0·44	+ 0·05	6·2	– 5·2	12	– 11
2. ENGLAND, N.E. — Southern part.	†Spurn Head (Saltburn)	47	26	41·0	33·1	37·2	– 1·5	0	34	4	0·32	– 0·04				
	†Lincoln (Skegness)	50	19	42·1	29·7	36·2	– 1·1	0	45	5	0·58	+ 0·20	13·0	—	25	—
	†Fulbeck (Rauceby)	50	17	41·8	29·0	35·7	– 0·8	0	44	6	0·69	+ 0·31	10·9	—	21	—
3. ENGLAND, E. — Northern part.	Hillington	48	15	41·3	28·3	35·1	– 2·2	0	48	5	0·92	+ 0·44	9·4	– 0·3	18	0
	†Yarmouth (Lowestoft)	46	19	40·9	29·4	35·4	– 2·4	0	46	6	0·68	+ 0·22	9·6	—	18	—
	Geldeston (Cromer)	48	16	41·3	30·4	36·1	– 2·4	0	41	6	0·67	+ 0·27	10·7	– 0·7	20	– 1
													6·5	—	13	—
3. ENGLAND, E. — Southern part.	Cambridge	51	19	43·1	30·4	37·0	– 0·9	3	43	4	0·83	+ 0·45	12·5	+ 2·3	24	+ 4
	Felixstowe	49	18	42·3	29·9	36·4	– 2·4	1	45	5	0·71	—	14·7	—	27	—
	Clacton-on-Sea	47	19	42·1	29·7	36·2	– 2·1	0	45	5	0·73	—	14·4	—	27	—
	Rothamsted	50	27	43·4	31·7	37·8	0·0	4	39	4	0·98	+ 0·43	15·3	+ 5·3	28	+ 10
	†Shoeburyness (Southend)	51	20	44·6	32·3	38·7	– 0·2	7	38	6	0·89	+ 0·55	12·5	—	22	—
	London, Westminster (Dunmow)	52	25	45·6	32·9	39·5	+ 0·3	10	36	6	0·73	+ 0·29	7·9	+ 3·9	15	+ 7
													11·1	—	21	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	49	25	40·8	30·9	36·1	– 1·2	0	41	5	0·72	+ 0·19	6·7	—	13	—
	†Bawtry (Worksop)	51	14	43·6	29·0	36·6	– 1·0	4	49	5	0·47	+ 0·06	6·9	– 0·4	13	– 1
	Nottingham	51	16	43·4	30·0	37·0	– 0·8	4	45	6	0·83	+ 0·36	3·5	—	7	—
	†Colly Weston	50	18	42·7	30·1	36·7	– 0·5	2	44	4	0·47	+ 0·07	*	*	*	*
	Birmingham, Edgbaston	49	21	42·4	32·5	37·7	– 0·5	1	35	5	0·70	+ 0·21	3·5	—	7	—
	Oxford	52	26	44·7	32·6	38·9	+ 0·1	8	37	4	0·55	+ 0·11	13·5	+ 3·4	25	+ 6
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	47	20	40·5	30·6	35·8	– 1·2	0	43	7	0·88	+ 0·31	11·3	—	22	—
	Shrewsbury	53	21	45·8	33·8	40·0	+ 1·7	11	33	5	0·69	—	*	*	*	*
	Hereford	52	19	45·1	31·1	38·4	– 0·2	9	42	5	0·79	+ 0·26	*	*	*	*
	Cirencester	50	16	43·0	28·4	36·0	– 1·9	3	50	4	0·81	+ 0·21	11·2	+ 1·0	21	+ 2
	Bath	53	21	46·1	31·7	39·2	– 0·5	11	41	4	0·76	+ 0·13	11·7	—	22	—
													16·9	+ 6·5	31	+ 12
5. ENGLAND, S.	Kew (Margate)	51	25	44·3	33·4	39·1	0·0	6	33	5	0·67	+ 0·25	13·8	+ 4·3	26	+ 8
	Wisley, Surrey	51	23	44·9	33·2	39·3	+ 0·9	8	35	4	0·71	—	15·7	—	29	—
	†Swarraton (Ventnor)	50	16	43·8	30·9	37·6	– 0·3	5	42	6	0·97	+ 0·31	15·0	+ 2·0	27	+ 4
	Tunbridge Wells															
	†Dungeness (Littlestone)	48	19	45·3	33·0	39·4	– 0·6	9	36	6	1·11	+ 0·64	13·6	—	25	—
	Hastings	50	26	44·6	34·6	39·8	– 0·1	7	29	5	1·13	+ 0·52	16·8	+ 3·3	31	+ 6
	Southampton	52	25	46·2	34·9	40·8	+ 0·8	12	30	4	1·12	+ 0·45	15·8	+ 3·5	29	+ 6
	†Portland Bill (Worthing) (Eastbourne)	51	33	48·3	39·7	44·2	+ 3·6	25	6	3	0·86	—	16·0	—	29	—
													16·5	+ 6·2	30	+ 11
6. SCOTLAND, W.	†Laudale (Oban)	53	25	42·3	31·7	37·2	– 3·0	1	38	6	2·65	+ 0·66	3·4	—	7	—
	Glasgow	49	23	39·8	31·9	36·0	– 2·8	0	42	6	1·19	+ 0·32	4·7	+ 0·3	10	+ 1
	Dumfries	48	24	37·9	30·2	34·2	– 5·5	0	55	6	1·09	+ 0·13	*	*	*	*
	Cally	46	21	40·1	30·8	35·6	– 3·0	0	45	5	1·10	– 0·01	*	*	*	*
	Douglas, Isle of Man	50	27	45·5	36 1	41·0	– 0·1	10	25	7	1·31	+ 0·33	4·9	– 5·4	10	– 11
7. ENGLAND, N.W.	Aspatria	48	25	41·8	32·5	37·3	– 0·4	0	33	6	0·68	– 0·08	1·6	—	3	—
	Newton Rigg	49	20	39·7	29·9	35·0	– 2·6	0	49	5	0·49	– 0·31	5·3	– 3·4	11	– 7
	Stonyhurst	50	23	41·5	31·8	36·8	– 1·2	0	36	6	1·65	+ 0·70	3·1	– 4·2	6	– 8
	Blackpool	49	26	43·4	34·7	39·2	+ 0·5	4	28	6	0·90	+ 0·25	6·8	– 1·1	13	– 2
	Manchester, Prestwich	49	20	41·3	32·2	36·9	– 1·3	0	36	6	1·40	+ 0·66	2·0	– 7·3	4	– 14
	†Liverpool Obs. (Hoylake)	52	27	44·6	34·0	39·5	– 0·4	7	31	6	0·75	+ 0·25	6·8	—	13	—
	†Hawarden Bridge (Southport)	53	24	46·7	33·9	40·6	0·0	13	34	6	0·52	+ 0·08	8·0	—	15	—
NORTH WALES	Llandudno	53	30	46·5	37·7	42·3	+ 0·5	20	12	6	0·60	0·00	5·9	– 4·5	11	– 9
	†Holyhead (Aberdovey)	50	31	45·6	37·0	41·5	– 0·8	10	21	6	0·74	– 0·04	7·0	—	13	—
	Bettws-y-Coed	50	26	45·1	35·0	40·3	– 0·2	9	28	7	2·12	—	2·8	—	5	—
8. SOUTH WALES	Llangammarch Wells	50	13	43·6	31·4	37·7	– 0·2	4	40	7	2·17	—	5·0	—	10	—
	Pembroke	53	31	48·4	37·9	43·4	+ 0·2	27	11	6	1·29	+ 0·44	10·5	– 1·2	19	– 2
	†Cardiff (Aberystwyth)	52	26	45·6	30·7	38·5	– 2·5	10	45	7	1·92	+ 0·97	8·0	—	15	—
8. ENGLAND, S.W.	†Clifton (Torquay)	52	25	45·6	33·7	39·9	+ 0·1	10	33	7	1·30	+ 0·60	13·2	+ 1·5	24	+ 2
	†Shaftesbury (Marlborough)	49	26	43·4	33·4	38·6	+ 1·0	4	32	5	0·75	+ 0·08	9·3	+ 0·3	17	+ 1
	†Arlington (Newquay)	50	26	45·0	33·6	39·5	– 0·4	8	33	6	2·55	+ 1·38	9·6	– 1·7	17	– 3
	Cullompton	54	26	46·2	33·6	40·2	+ 0·3	12	34	6	0·82	+ 0·03	10·7	+ 1·3	20	+ 2
	Plymouth	53	29	48·9	37·3	43·3	+ 1·2	29	13	6	0·36	+ 0·01	12·3	+ 1·0	22	+ 2
	Falmouth	52	34	47·8	40·4	44·3	+ 0·2	23	4	6	1·35	+ 0·19	12·2	– 0·3	22	– 1
9. IRELAND, N. — Western part.	Malin Head	50	28	44·9	34·0	39·7	– 2·0	8	32	7	1·14	+ 0·49	*	*	*	*
	Edenfel	51	20	43·1	28·7	36·2	– 1·8	3	49	6	1·35	+ 0·54	*	*	*	*
	Blacksod Point	53	33	46·9	38·6	42·9	+ 0·1	21	10	7	1·63	+ 0·43	*	*	*	*
	Markree Castle	52	22	44·6	32·3	38·7	– 1·0	7	38	7	1·39	+ 0·47	7·9	– 0·6	16	– 1
9. IRELAND, N. — Eastern part.	Armagh	51	19	44·7	32·7	38·9	– 0·4	8	36	6	0·65	+ 0·03	7·8	– 1·7	15	– 3
	Donaghadee	51	24	44·6	31·7	38·4	– 2·4	7	40	7	1·08	+ 0·46	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	54	23	47·5	35·2	41·6	– 0·1	15	29	3	0·30	– 0·21	8·5	– 4·2	16	– 8
	Kilkenny	53	16	45·3	28·8	37·1	– 3·8	9	52	6	0·83	+ 0·07	*	*	*	*
	Waterford	51	23	47·3	33·1	40·5	– 0·6	15	37	5	0·54	– 0·40	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	53	11	46·0	30·0	38·3	– 1·4	11	47	7	0·79	+ 0·12	8·2	– 2·8	16	– 5
	Foynes	53	30	47·2	37·0	42·3	+ 0·3	23	14	7	1·40	+ 0·48	*	*	*	*
	Killarney	56	20	49·9	34·8	42·7	– 0·5	35	20	6	1·29	– 0·24	*	*	*	*
	Valencia	54	25	49·9	38·3	44·3	– 0·8	32	10	7	1·11	– 0·26	7·0	– 3·4	13	– 7
	†Roches Point (Ballinacurra)	52	27	47·6	35·9	42·0	– 1·9	16	17	7	0·57	– 0·59				
11. ENGLISH CHANNEL	Scilly, St. Mary's	53	35	50·1	42·7	46·6	0·0	32	0	6	1·04	+ 0·20	9·7	– 3·3	17	– 6
	†Jersey, St. Aubins (St. Heliers)	52	36	48·9	40·1	44·7	+ 1·7	27	5	7	0·85	+ 0·05	12·3	+ 1·2	22	+ 2
	Guernsey	51	32	48·5	39·7	44·3	+ 0·6	26	6	7	1·25	+ 0·35	12·3	– 2·3	22	– 4

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 18·4 hrs., 33 %; Brighton, 11·9 hrs. (+ 0·1), 22 % (0 %); Bournemouth, 13·6 hrs., 25 %; Bognor, 16·9 hrs., 31 %; Rhyl, 8·7 hrs., 17 %; Tenby, 11·6 hrs., (– 0·1), 22 % (0 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	40·5
	Crathes	5	−5	34·8	39·3
	— — ..				
	— — ..				
2.	Cockle Park	6	19	33·8	39·4
	York	—	—	36·8	42·2
	Hull	7	17	34·9	42·4
	Lincoln	—	—	34·9	42·4
3.	Cambridge	4	19	‡[37·0	‡42·0]
	Dunmow	4	20	—	—
	Clacton-on-Sea ..				
4.	Harrogate	5	16	36·8	40·2
	Sheffield	5	24	36·0	42·7
	— — ..				
	Birmingham	6	9	38·5	45·0
	Nottingham	6	14	34·7	40·4
	— — ..				
5.	Kew	4	19	37·3	43·4
	Canterbury	4	11	36·8	43·5
	Portsmouth	3	18	—	—
	Wisley	—	—	38·1	43·1
6.	— — ..				
	Glasgow	4	17	—	—
	— — ..				
7.	Newton Rigg ..	6	18	36·7	41·6
	Southport	3	24	35·4	40·8
	Bettws-y-Coed ..	1	27	37·4	43·7
	Manchester City ..	2	23	35·5	43·0
	— — ..				
8.	Bath	—	—	39·0	45·9
	Llangammarch Wells	2	7	38·6	44·7
	Plymouth	2	26	40·6	—
	— — ..				
9.	Armagh	3	15	38·2	44·1
	Markree Castle ..	4	23	—	—
10.	Dublin, Trin. Coll. ..	4	12	38·5	43·8
11.	Guernsey, Brooklyn	2	26	42·9	46·8

‡ Means for 5 days only.

V.—TEMPERATURE of the SEA. Week ending January 5th, 1907.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·7
	Kirkwall	42	36	39·2
	Wick	*46 ?	* 45 ?	* 45 ?·5
SCOTLAND, E. .. .	Cromarty	36	34	35·7
	Pennan Bay	40	38	38·7
	Aberdeen, Cove Bay ..	39	37	37·7
ENGLAND, N.E.	Burnmouth, Berwick ..	41	36	39·0
	Scarborough	40	36	38·5
ENGLAND, E.	Shipwash Lightship ..	42	37	40·4
ENGLAND, S.E.	Eastbourne‡	43	40	42·0
SCOTLAND, W.	Lamlash	45	44	44·5
	Ballantrae	44	39	42·2
ENGLAND, N.W.	Port Erin	48	45	45·9
ENGLAND, S.W.	Newquay	46	45	45·1
	Salcombe	?	?	?
IRELAND, N.W.	Sheephaven	45	43	44·1
	Ballyglass	47	39	44·0
IRELAND, S.W.	Cleggan	46	40	43·5
	Seafield	47	?39	44·5
IRELAND, E. . ..	Kingstown‡			

* From observations for 4 days only.
‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

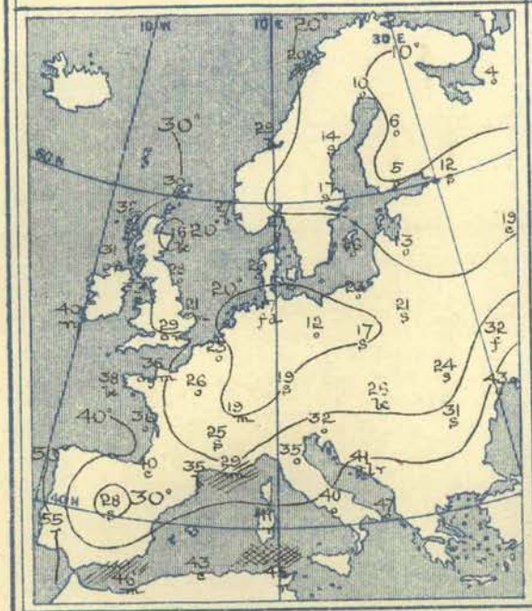
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

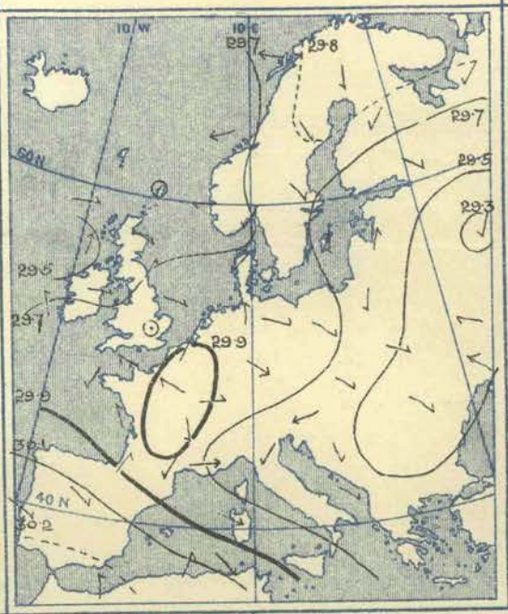
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 30th December, 1906.

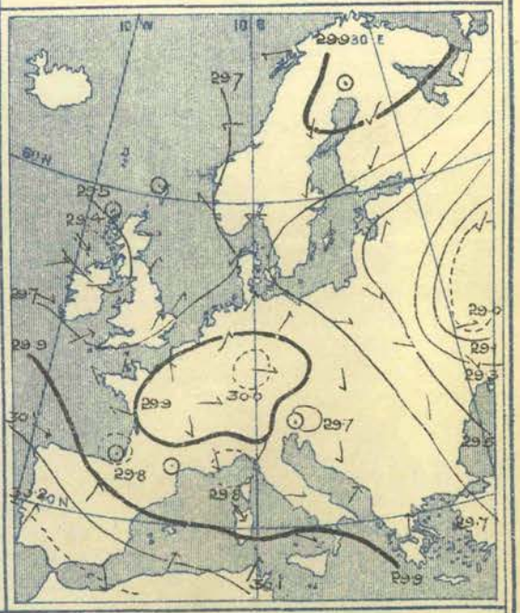
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very cloudy or overcast as a whole, with rain in several southern regions and at Valencia Island, and snow at many stations in the central and northern countries. A thunderstorm prevailing at Pesaro. Fine and bright in the Riviera and along the west coast of Norway. More or less precipitation occurring later over all the northern districts and also in some southern localities; largest measurement, 0·75 in. at Biarritz.

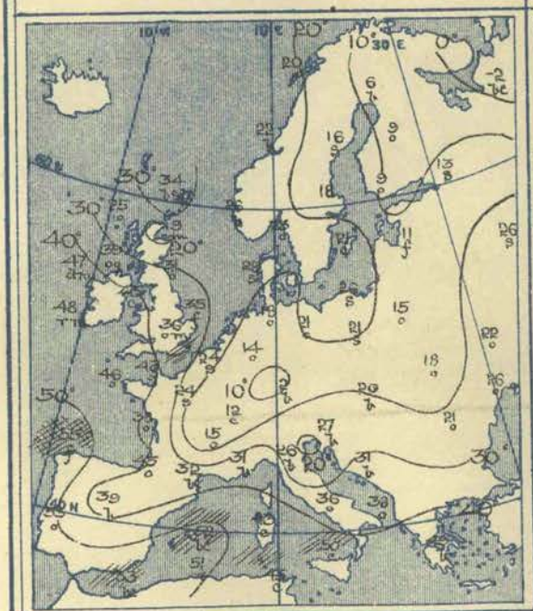
Temperature changed rather irregularly; risen decidedly over Portugal, Ireland, and the south-west of England. Readings at 8 a.m. ranging from 16° at Aberdeen, and below 32° over Great Britain generally to 40° at Portland Bill. Hard frost prevailing over nearly the whole of the Continent. Thermometer below 20° generally, and below 10° in the north-east; readings below 50° except in Portugal. Frost continuing generally; maximum at Aberdeen only 20°. Becoming rather milder over England and a thaw commencing. Maxima below 40° at some stations in the far south of France, and only 41° at Napies.

Wind in morning varying greatly; mainly light from some Southerly point over these Islands, a light cyclonic circulation shown over the east of our area, and moderate to fresh North-Westerly breezes over the Mediterranean. Southerly current becoming more pronounced later over England, but wind veering towards North-West in Ireland.

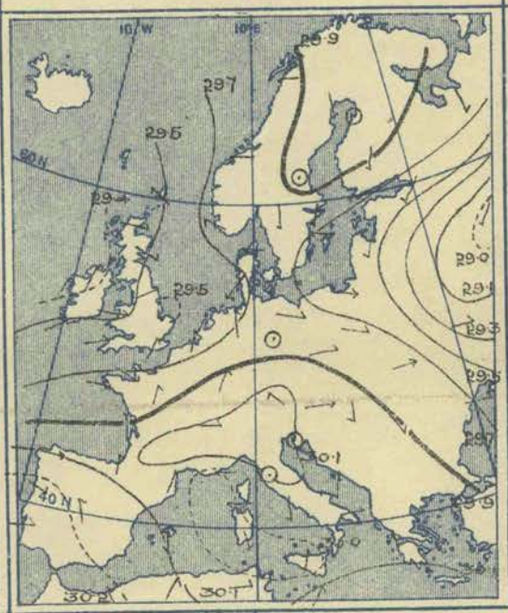
Barometer in morning above 30·2 ins. in the far south-west of our area, and relatively high in France and in the far north-east also. Readings ranging from 30·28 ins. at Nemours to less than 29·5 ins. in a depression off the north-west of Ireland, and to below 29·3 ins. in an elongated low pressure system having its minimum near Moscow. Russian disturbance becoming much deeper during day, and that off the north-west of Ireland moving eastwards; pressure decreasing throughout our Islands. Several small, secondary systems shown in different parts of our area.

Monday, 31st December, 1906.

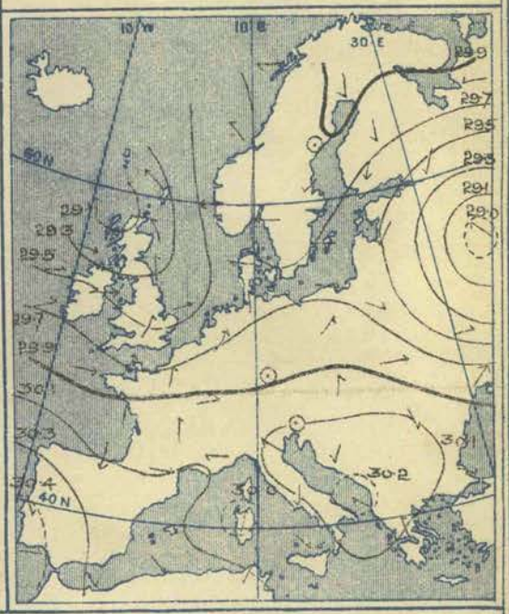
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few localities both in the south and north of our area; cloudy or overcast as a whole, with snow in many central and northern regions, and with rain in Ireland, and also at Oporto, Algiers, and La Calle, and passing showers at Portland Bill. Rain, snow, or sleet, falling later in most parts of these Islands and in various regions of the Continent. Largest amounts, 0·4 in. at Palermo, and 0·3 in. at Biarritz.

Temperature risen over the western countries, changed irregularly or fallen elsewhere. Morning readings below 20° over the major portion of the Continent and also in the east of Scotland, and as low as 12° at Nairn. Lowest readings on the Continent, 2° at Munich, and −2° at Archangel. Thermometer only 30° at Rome and 31° at Nice, but above 50° in Algeria and along the west coast of the Spanish Peninsula. Maxima during day above 45° on our west and south-west coasts and not much below 40° over the east and north of the Kingdom. Thermometer continuing below 32° over Northern and Central Europe, but rising to 63° at Patras and Algiers.

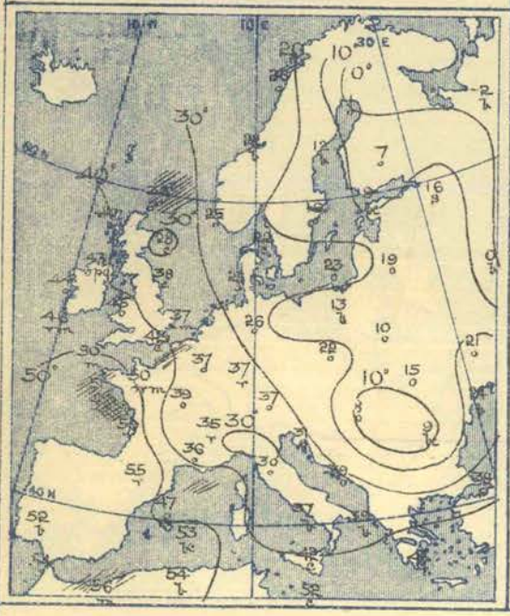
Wind in morning circulating cyclonically, and with considerable force over Russia and its vicinity; light and rather variable generally, but mainly between South and West over these Islands. Wind increasing somewhat from the Westward on all our western coasts later in day and from the South-Eastward in the north-east of Scotland. No general change.

Barometer in morning highest, 30·2 ins. and above, over Morocco and the adjacent portion of Spain and Portugal. Relatively high over the south of France and the north of Italy, and also over Lapland. Lowest, 29·0 ins. and less in a depression having its centre not far from Moscow. Relatively low off our own north-west coast and in a small depression over the North Sea. A depression appearing over the north-west of Scotland by evening and causing a decided fall of the barometer over Great Britain. Russian disturbance undergoing little modification.

Tuesday, 1st January, 1907.

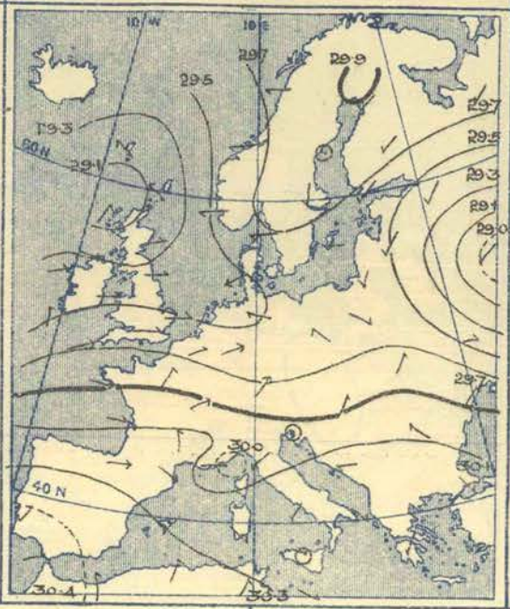
Temperature and Weather.

8 a.m.

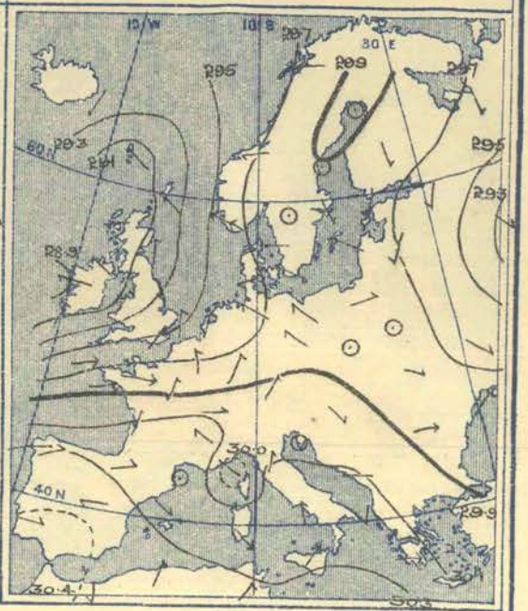


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright in a few districts, especially over the south of our area, but overcast and unsettled as a whole. Rain or snow falling in some Continental regions, and rain at some of our own stations. A considerable amount of rain or sleet falling later over the United Kingdom—about half an inch in several places, and 0·7 in. at Clacton-on-Sea. Various quantities of precipitation experienced over the southern and central countries.

Temperature risen rapidly in Scotland, France, and Germany; change amounting to 25° at Nairn and 35° at Munich. Readings at 8 a.m., slightly below zero at Archangel and Haparanda, and below 10° in the north-east generally. Above 32° over France and South Germany, as well as at almost all our own stations. Above 50° at some southern stations, and also in Brittany. Thermometer rising to above 65° over Algeria during day and to above 50° in the west and south of our Islands. Frost continuing over the east and north of our area.

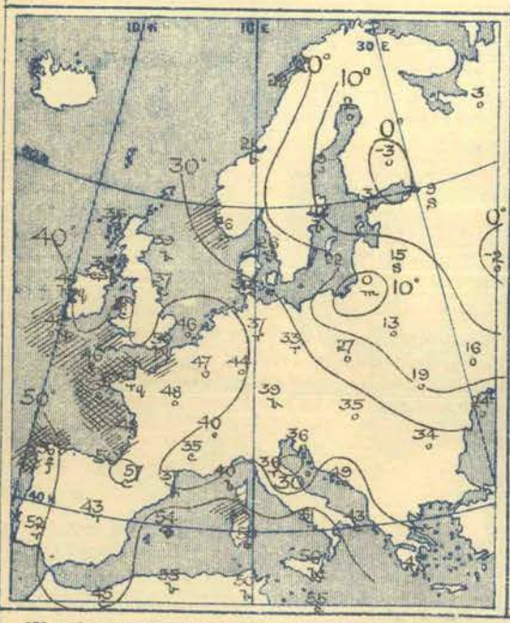
Wind in morning light or moderate and mainly Westerly over the Mediterranean and the central countries, and also over England. Drawing into East and South-East and blowing strongly in the Shetlands. Backing to the South-Westward and increasing greatly in force over England and Ireland later. Attaining gale force during night in several parts of our Islands and over the adjacent portion of the Continent.

Barometer in morning above 30·4 ins. in the south of Spain and over Morocco, and above 29·9 ins. in Lapland. Below 29·1 ins. in a depression off our north-west coasts and below 29·0 ins. in another system centred near Moscow. A quick decrease of pressure occurring during day in Ireland and another disturbance approaching from the Atlantic and causing a great increase in the gradient over this country and north-western Europe generally. Barometer remaining high in the south-west of our area.

Wednesday, 2nd January, 1907.

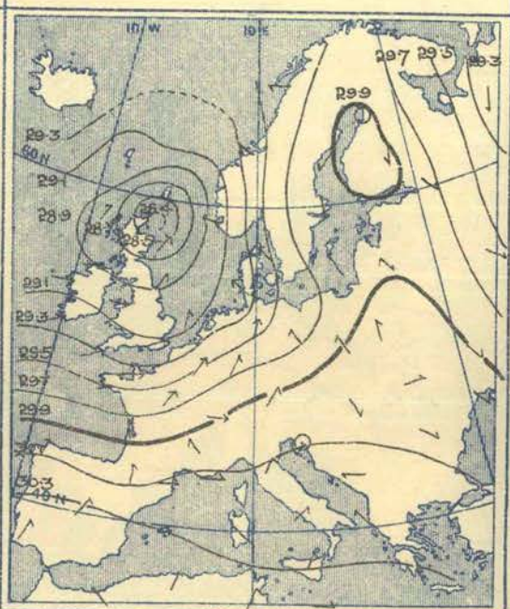
Temperature and Weather.

8 a.m.

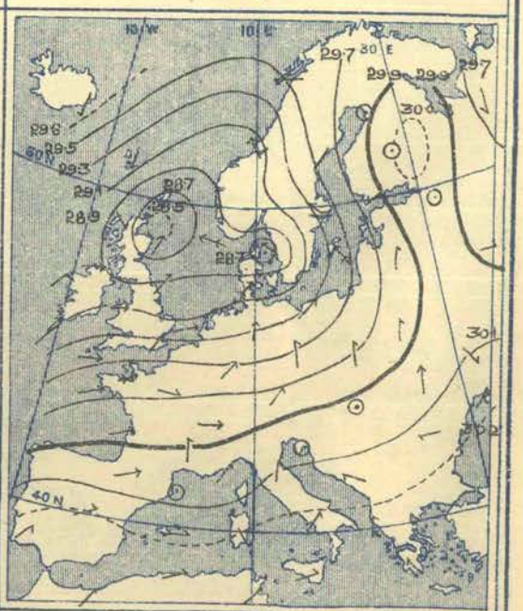


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright in Algeria and in a few localities elsewhere, but cloudy or overcast as a whole, with rain in various parts of our Islands, France, Germany, and Southern Europe, and snow at some northern stations. A considerable amount of precipitation experienced later over the western and north-western countries, and thunderstorms occurring at Pembroke and on the south-west coast of Ireland.

Temperature changed rather irregularly; readings in morning much below the freezing point over the north-east and east of our area, and a little below zero at Kuopio and Moscow; above 40° in most other regions, and above 50° in the extreme south and south-west. Maxima during day as high as 70° at Algiers and above 60° at some other stations in the far south. Thermometer touching 50° at Paris and Jersey, and 45° in several parts of Central Europe. Frost continuing in the east and north of the Continent.

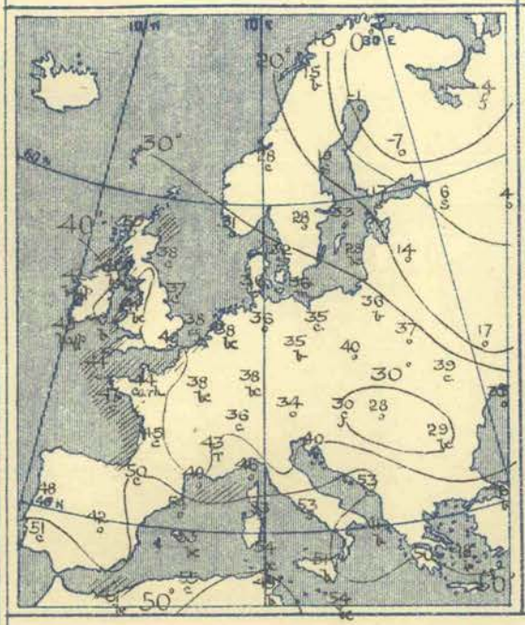
Wind in morning strong to a gale from the Westward on our west and south coasts and over the Bay of Biscay, and equally strong from the South-Eastward on the eastern shores of the North Sea. A moderate or light South-Westerly to Westerly breeze prevailing over Southern and Central Europe, and a Northerly breeze over Russia. Backing to the South-Westward on the west coast of Ireland later in day. Westerly gale continuing in the English Channel, and a fresh or strong South-Easterly gale setting in over the upper part of the Baltic.

Barometer in morning above 30·3 ins. in the far south of our area and relatively high in a band extending thence to Lapland. Below 29·3 ins. over the north-east of Russia and as low as 28·35 ins. at Wick. Gradients steepest over France, the English Channel, and the west of Norway. Scotch depression moving slightly east-south-eastward during day and a small deep system appearing over the Skager Rack. Gradients becoming extremely steep over Scandinavia and the Baltic. A fresh depression approaching the west of Ireland by evening.

Thursday, 3rd January, 1907.

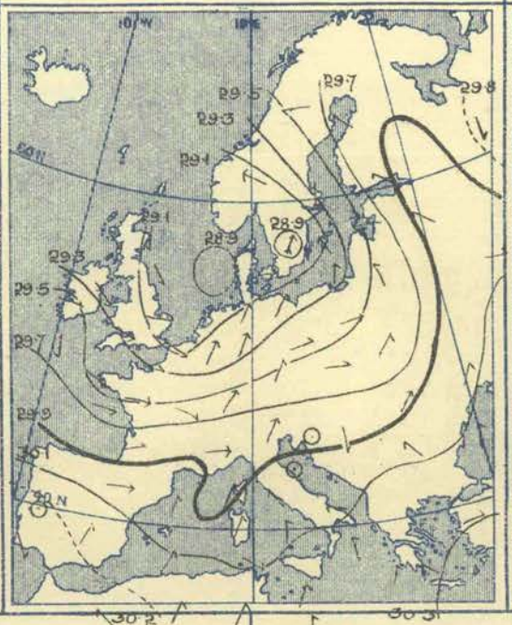
Temperature and Weather.

8 a.m.

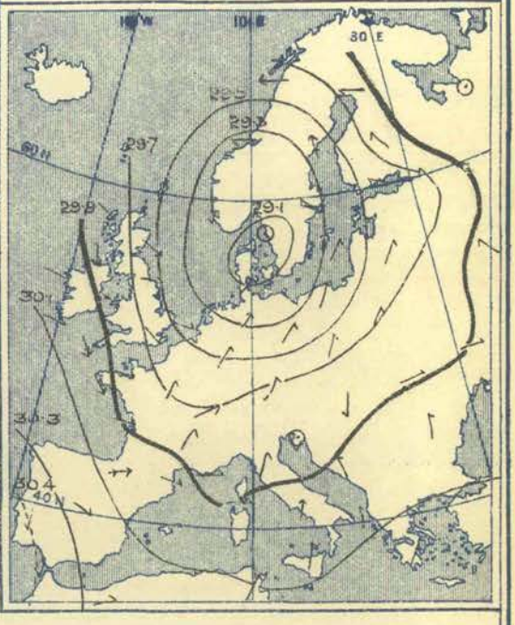


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. temporarily fair or fine in many places, but unsettled generally, with rain at some stations in the south, and with snow in several northern regions. Rain or snow experienced later over a large portion of our area; amounts small over these Islands, but large at various Continental stations.

Temperature changed rather irregularly; fallen in most places. Readings in morning below 32° in the east and north of our area, and as low as -4° at Archangel. Between 35° and 40° over these Islands generally, and above 50° at many stations over the Mediterranean. Maxima during day below 40° at our own eastern stations and in many parts of Central Europe, and much below the freezing point in the north and north-east. Thermometer rising to above 50° very generally in the far south, and to above 60° in Algeria and Sicily.

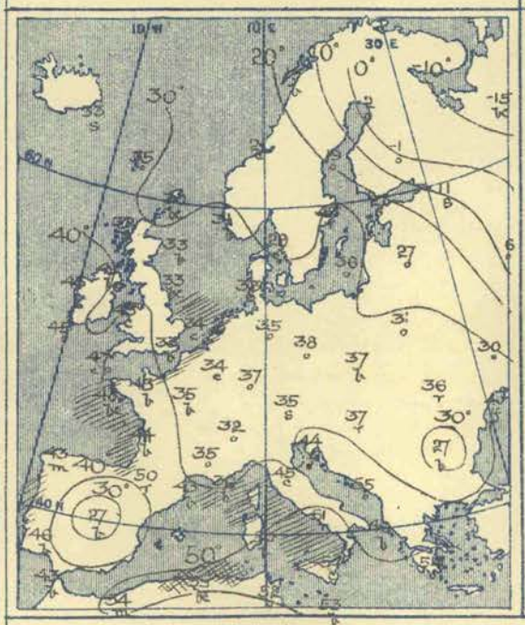
Wind in morning cyclonic over the north-western countries; strong from the North-Westward over our Islands, and from the South-Westward over the Low Countries, Denmark, and the south of Sweden. Light breezes, mainly from West or South-West, prevailing over the Mediterranean region. No general or important change later in day; wind veering further towards North over our Islands; blowing a strong gale at Holyhead at 6 p.m.

Barometer in morning above 30·3 ins. over the extreme south-east of our area, and nearly as high in the south-west. Readings decreasing to below 28·9 ins. in a complex depression containing two minima—one over the North Sea, and the other near Karlstad. North Sea minimum moving eastwards during day; system becoming less deep, and also less complex. Recovery of pressure rapid over the United Kingdom, a rise of more than an inch taking place in the north-east of Great Britain during the ensuing twenty-four hours.

Friday, 4th January, 1907.

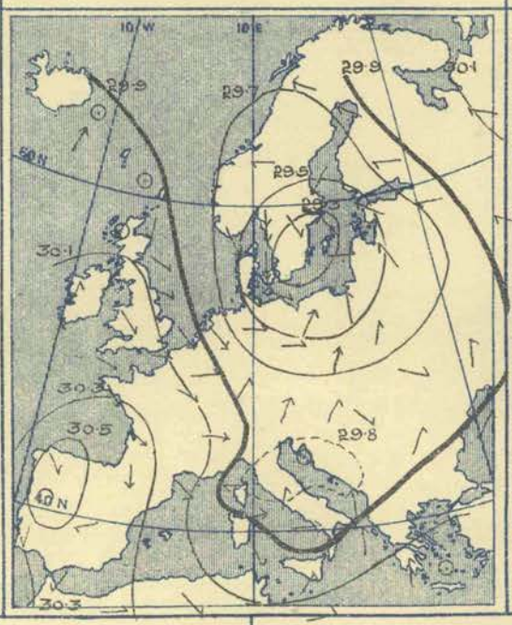
Temperature and Weather.

8 a.m.

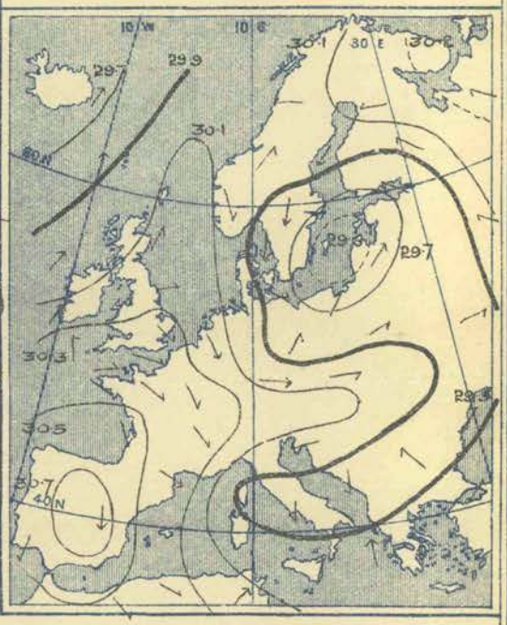


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine or fair over our Islands, the north of France, the Riviera and in a few other localities. Cloudy or overcast elsewhere, with rain at Biarritz, Buda-Pesth, and Lemberg, and snow at some northern stations. Some snow or rain falling later in various parts of our Islands and in several continental regions; largest amounts, 0·7 in. at Naples, 0·6 in. at Hernösand, and 0·5 in. at Lesina.

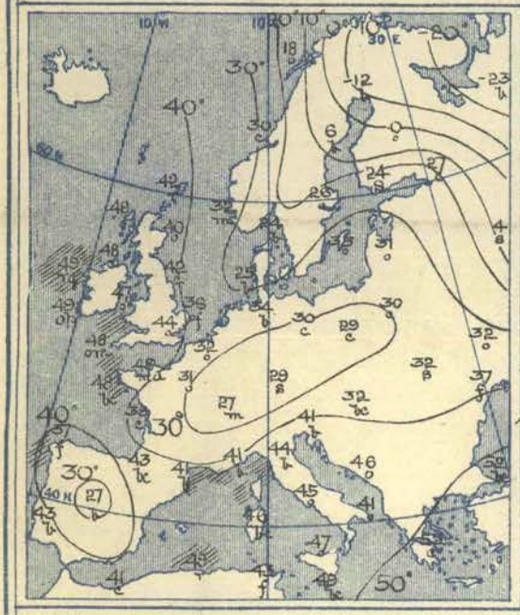
Temperature risen in most parts of Russia, fallen generally elsewhere. Morning readings above the freezing point except in the north of Scotland and the east and far north of the Continent; above 50° at some stations in the extreme south of our area, and as low as -2° at Haparanda and -15° at Archangel. Severe frost continuing all day in the east and north, and thermometer only rising to a little above 32° in the east of France. Maxima above 45° at many of our own stations, and about 60° in the far south of our area.

Wind in morning anticyclonic over the Bay of Biscay and its vicinity, and cyclonic over northern Europe, as well as over Italy. Light or moderate generally, but fresh or strong over the North Sea and Scandinavia, with a gale at Christiania. A considerable increase of force taking place later on the south coast of France from the North-Westward, but force decreasing over northern Europe. A strong Southerly breeze setting in over our own north-west coasts.

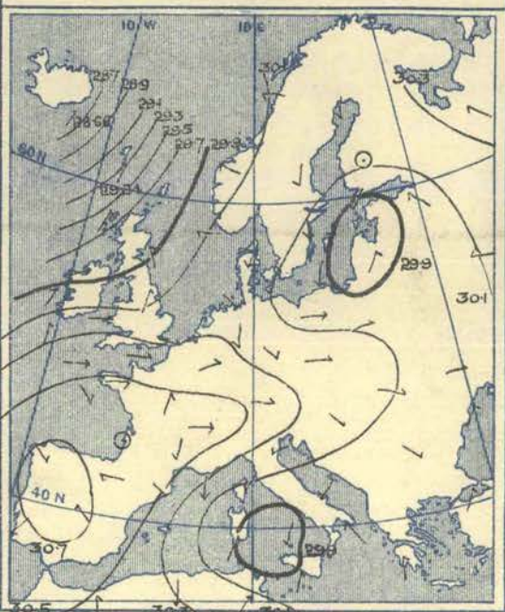
Barometer in morning ranging from above 30·5 ins. in an anticyclone centred over the north-west of the Spanish Peninsula to below 29·8 ins. over the north of Italy and its neighbourhood, and to below 29·3 ins. in a large depression over the south of Sweden. South-western high pressure system extending northwards during day, but a depression causing a fall of the barometer on our north-west coasts. Swedish disturbance travelling eastwards.

Saturday, 5th January, 1907.

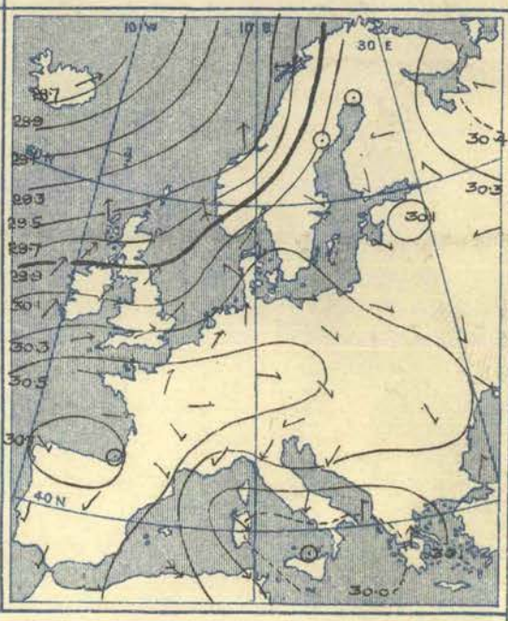
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fine and bright in the north of Italy, the Riviera, the Spanish Peninsula, the north of Sweden, and a few other localities; cloudy or overcast as a whole, with rain at Algiers, on the north-west coast of Ireland, and at Jersey, and snow over the Gulf of Finland, as well as at St. Petersburg and some stations in Central Europe. Rather heavy precipitation experienced later in some Continental regions and slighter quantities over most parts of these Islands.

Temperature risen over the United Kingdom, Norway, and in several parts of Russia; fallen or changed irregularly elsewhere. Readings in morning above 50° in Greece and at Constantinople, and as high as 49° or 48° in Ireland and the south-west of England. Below 32° over a considerable portion of the Continent, and below zero in the extreme north; lowest reading −23° at Archangel. Maxima during day about 50° in many parts of the United Kingdom, a few degrees higher at many stations in the Mediterranean region, and 61° at Constantinople.

Wind in morning showing an anticyclonic movement over the south-west of our area, and two complete cyclonic circulations—one over Italy and the Mediterranean, and the other over Russia. Fresh or strong in force in some localities both in the north and south, and strong South-Westerly winds also prevailing on the north and north-west coast of Ireland. South-Westerly winds increasing considerably in force on our north and north-west coasts by evening, and Southerly winds increasing to a gale on the coast of Norway.

Barometer in morning above 30·7 ins. in an anticyclone centred over the northern half of the Spanish Peninsula; below 29·9 ins. in a depression over the Mediterranean and in another system over the Baltic Provinces of Russia, and below 28·7 ins. over Iceland. Gradients steepest over the south-east of France and over Lombardy. A large depression in the far north-west spreading over our northern and north-western districts and Norway later. Gradients becoming very steep over Scandinavia. Anticyclone maintaining its position over the Peninsula.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇛ = a heavy gale; → → = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

V.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,600. 500	3,320. 1,000	5,990. 1,500	6,660. 2,000	8,320. 2,500	10,000. 3,000	Remarks.
1906.										
December 30th, 10.20 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature F.	33°	30°						One kite, 60 sq. ft. 4,500 ft. wire. Max. height, 2,200 ft. Temp., 28°. Wind SSW, 23°. Cloud level, 1,400 ft.
		Humidity	80%	100%						
		Wind Velocity, m. per hr.	S by W, 10	SSW, 22						
1907.										
January 1st, 10.4 a.m. to 11.16 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	40°	40°	34°	32°				One kite, 77 sq. ft. 5,000 ft. wire. Max. height, 4,600 ft. Cloud level at 3,500 ft., with sudden increase of wind, 25 to 40 miles, and backing of wind to SW. Overcast with rain.
		Humidity	90%	80%	95%	100%				
		Wind Velocity, m. per hr.	SSW, 10	WSW, 25	WSW, 25	SW, 40				
January 3rd, 2.47 p.m. to 3.50 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	33°	31°	20°					One 9 ft. kite. Max. height, 3,800 ft. Temp., 17°.
		Humidity	97%	95%	95%					
		Wind Velocity, m. per hr.	NNW, —	NNW, 38	NNW, 42					
January 4th, 10.20 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	33°	30°	24°	20°				One kite, 77 sq. ft. 6,000 ft. wire. Clear sky. Remarkably steady and uniform wind. Wind, 20 miles per hour at 500 ft. above ground.
		Humidity	80%	60%	50%	40%				
		Wind Velocity, m. per hr.	WNW, 5	NW, 35	NW, 40	NW, 43				
January 5th, 10.30 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature F.	45°	38°						One 60 ft. kite. Cloud level, 600 ft. Kite entered cloud and was not seen again until its descent.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	W, 15	—, 33						
		Temperature F.								
		Humidity								
		Wind Velocity, m. per hr.								
		Temperature F.								
		Humidity								
		Wind Velocity, m. per hr.								
		Temperature F.								
		Humidity								
		Wind Velocity, m. per hr.								

63, Victoria Street, London, S.W. *January 9th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 2. SECOND WEEK, ENDING SATURDAY, JANUARY 12TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally dry and occasionally very bright over all the eastern and north-eastern parts of Great Britain, but in the western and north-western portions of the kingdom, the sky was more generally overcast, and precipitation was experienced on several days. The amounts were generally slight, but at Glencarron on the 11th the measurement was 1·96 in. Distant thunder was heard at Hillington on the afternoon of Saturday.

Temperature was above the average in all districts; the excess was less than 2·5° in England S.W. and the English Channel, but more than 4° in most other localities, and as much as 5·9° in Scotland E. The highest of the maxima were recorded on rather irregular dates. In Scotland E. and Ireland S. the thermometer rose to 55° and in all other districts to 50°, or a few degrees higher. The lowest of the minima, which were mostly registered either during the earlier days or late in the week, ranged from 28° in England N.W. and Ireland S., to 34° in Scotland N. and to 35° in the English Channel.

Mean Temperature of the Sea was higher than during the preceding week except off the south-west and south-east of England. On all the western coasts it was generally above 46°, and at Plymouth, Salcombe, and Port Erin it stood at about 48°. On the east and north-east coasts of Great Britain it was not generally above 40°, but at Lerwick it was as high as 44°, while at Wick it touched 45°.

Rainfall was less than the normal except in Scotland N. Over a considerable portion of England the aggregate fall was less than a tenth of an inch.

Bright Sunshine exceeded the normal over all the eastern, north-eastern, and central counties of England and the east of Scotland, and equalled it in England S. and N.W.; elsewhere the duration was less than the average. The percentage of the possible amount ranged from 29 in England N.E. and E., 24 in the English Channel, and 22 in Scotland E., to 8 and 7 respectively in Scotland N. and W., and to 5 in Ireland N.

Barometer and Wind. Pressure was highest in an anticyclone of considerable intensity having its maximum either to the southward or south-westward of our Islands, and as the cyclonic systems were confined to the Icelandic region and Scandinavia, the winds over this country were from some point between South-West and West or North-West. The force of a fresh or strong breeze was sometimes attained on our most north-western and northern coasts, but generally the wind was moderate or light.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* page 4., No. 1.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Very Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Very Light	Very Light	Light	Light	Light	Light	Light	Light	Light	Very Light	Light
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906-7. 6 weeks from Dec. 2nd, 1906.	Warmth ...	3*3	3*3	2*3	2*2	2*1	2*2	3*2	2*2	0*3	3*2	2*3	1*3
	Rainfall ...	2*0	2*2	1*3	2*2	1*2	1*3	1*2	3*2	1*2	2*2	1*4	2*3
	Sunshine ...	0*3	3*0	4*1	2*0	2*1	3*1	1*1	2*1	2*1	1*2	1*2	0*1

PAST SEASONS.

WINTER, 1905-6. Dec. 3rd-Mar. 3rd. 13 weeks.	Warmth ...	4*4	4*3	3*3	4*0	2*1	0*2	2*2	5*3	4*5	4*2	5*5	3*0
	Rainfall ...	8*2	4*5	4*4	5*1	4*4	4*4	2*2	5*5	5*4	5*2	4*4	6*3
	Sunshine ...	4*1	7*2	5*1	3*4	4*2	5*2	6*1	5*1	5*1	6*1	3*5	5*4
SPRING, 1906. Mar. 4th-June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd-Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd-Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3

5678 370 Wy. & S., Ltd. 1—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (2nd)—~~December 30th~~ January 6th, 1906, to January 12th, 1907.

DISTRICTS. (See p. 11.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	34	47·2	39·6	43·6	+ 5·3	21	+ 15	7	- 27	6	+ 1	1·24	+0·22	4	- 2	8	- 4
Eastern																		
1. SCOTLAND, EAST	55	32	47·9	38·1	43·2	+ 5·9	25	+ 19	11	- 27	2	- 1	0·06	-0·50	11	+ 3	22	+ 6
2. ENGLAND, N.E.	52	33	47·3	37·9	42·8	+ 4·7	23	+ 16	11	- 24	1	- 3	0·03	-0·43	15	+ 8	29	+16
3. ENGLAND, EAST	50	32	46·0	36·8	41·6	+ 4·3	11	+ 4	22	- 19	1	- 3	0·26	-0·14	16	+ 6	29	+11
4. MIDLAND COUNTIES	52	30	47·2	37·4	42·5	+ 5·1	23	+ 14	13	- 28	1	- 3	0·07	-0·39	10	+ 1	18	+ 2
5. ENGLAND, SOUTH	50	20	46·5	38·1	42·5	+ 3·4	20	+ 9	11	- 21	1	- 2	0·11	-0·39	10	0	19	0
Western																		
6. SCOTLAND, WEST	52	32	47·6	41·3	44·6	+ 5·0	21	+ 12	2	- 26	5	+ 1	0·50	-0·49	4	- 4	7	- 8
7. ENGLAND, N.W.	53	28	47·2	40·2	43·8	+ 4·5	20	+ 11	5	- 24	4	0	0·19	-0·43	7	0	14	0
8. ENGLAND, S.W...	52	30	47·3	38·9	43·2	+ 2·2	21	+ 5	9	- 14	4	+ 1	0·15	-0·63	11	0	20	- 1
9. IRELAND, NORTH	51	33	48·1	41·0	44·7	+ 4·3	23	+ 11	3	- 22	5	+ 1	0·20	-0·54	3	- 6	5	-12
10. IRELAND, SOUTH	55	28	50·0	40·0	45·2	+ 3·1	31	+ 12	6	- 13	3	- 1	0·16	-0·75	6	- 5	11	- 9
11. CHANNEL ISLANDS	52	35	49·5	43·5	46·6	+ 2·4	32	+ 8	0	- 9	3	- 1	0·11	-0·58	14	0	24	-

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 6 Weeks, December 2nd, 1906, to January 12th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	75	+ 27	227	+ 46	36	+ 6	8·76	+1·28	15	- 16	6	- 6
Eastern																		
1. SCOTLAND, EAST	58	7	*	*	*	*	80	+ 35	249	+ 36	23	- 1	3·13	-0·68	48	+ 4	17	+ 1
2. ENGLAND, N.E...	56	17	*	*	*	*	55	+ 1	215	+ 33	22	0	2·57	-0·28	66	+ 21	22	+ 7
3. ENGLAND, EAST	56	14	*	*	*	*	43	- 14	205	+ 26	22	- 1	3·01	+0·31	69	+ 15	22	+ 5
4. MIDLAND COUNTIES.. ..	57	14	*	*	*	*	63	- 2	206†	- 11	22	- 1	2·81	-0·28	65	+ 13	20	+ 4
5. ENGLAND, SOUTH	56	3	*	*	*	*	63	- 29	179†	+ 23	23	+ 2	2·74†	-0·70	77	+ 16	24	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	72	0	166	+ 22	30	+ 4	6·41	-0·66	39	- 3	13	- 1
7. ENGLAND, N.W...	57	14	*	*	*	*	69	- 5	147	- 1	29	+ 5	4·43	+0·18	48	+ 7	16	+ 2
8. ENGLAND, SW.	56	13	*	*	*	*	84	- 32	132	+ 19	26	+ 1	4·61	-0·97	71	+ 5	22	+ 2
9. IRELAND, NORTH	56	8	*	*	*	*	92	+ 6	126	- 3	32	+ 3	4·88	-0·12	45	- 7	15	- 2
10. IRELAND, SOUTH	57	11	*	*	*	*	123	- 10	111	+ 7	28	+ 1	3·63	-2·39	51	- 13	16	- 4
11. CHANNEL ISLANDS	56	28	*	*	*	*	156	- 27	28	- 8	31	+ 3	4·09	-1·13	71	- 5	21	- 2

THE YEAR.—Aggregates, &c., for the period of 2 Weeks, December 30th, 1906, to January 12th, 1907.

0. SCOTLAND, NORTH	50	8	*	*	*	*	21	+ 9	68	0	12	+ 2	3·29	+1·29	6	- 4	7	- 4
Eastern																		
1. SCOTLAND, EAST	55	7	*	*	*	*	25	+ 13	81	+ 2	7	0	0·94	-0·19	16	+ 1	16	+ 1
2. ENGLAND, N.E.	52	17	*	*	*	*	23	+ 10	55	- 17	5	- 3	0·47	-0·41	24	+ 10	24	+10
3. ENGLAND, EAST	52	15	*	*	*	*	13	- 2	64	- 19	6	- 2	1·05	+0·19	27	+ 8	25	+ 7
4. MIDLAND COUNTIES.. ..	53	14	*	*	*	*	27	+ 9	54†	- 29	6	- 2	0·77	-0·21	18	+ 1	17	+ 1
5. ENGLAND, SOUTH	52	16	*	*	*	*	29	+ 6	43†	- 21	6	- 1	1·10†	+0·06	25	+ 6	23	+ 5
Western																		
6. SCOTLAND, WEST	53	21	*	*	*	*	21	+ 3	38	- 19	11	+ 2	1·97	-0·17	8	- 6	8	- 6
7. ENGLAND, N.W.	53	20	*	*	*	*	24	+ 5	36	- 23	10	+ 2	1·78	+0·11	12	- 2	11	- 2
8. ENGLAND, S.W...	54	13	*	*	*	*	32	0	39	- 7	10	+ 2	1·60	-0·12	21	- 1	19	- 1
9. IRELAND, NORTH	53	19	*	*	*	*	31	+ 7	38	- 12	12	+ 3	1·41	-0·16	11	- 7	10	- 6
10. IRELAND, SOUTH	56	11	*	*	*	*	47	+ 8	39	+ 1	9	0	1·01	-0·97	14	- 7	13	- 7
11. ENGLISH CHANNEL	53	32	*	*	*	*	59	+ 9	3	- 15	10	+ 1	1·16	-0·33	25	- 2	22	- 2

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

† Corresponding values for last week slightly altered owing to receipt of further information.

January 6-12, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
					Mean for the Week.			Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Decrness) ..	48	36	46·3	40·1	43·3	+ 4·2	17	5	7	0·86	- 0·07	3·6	- 2·5	8	- 6
		Stornoway	50	39	48·0	43·1	45·7	+ 6·8	26	0	7	0·69	- 0·51	0·0	- 6·2	0	- 14
	Mainland.	Wick	49	34	47·3	36·9	42·3	+ 4·2	24	14	5	0·43	- 0·11	*	*	*	*
		†Lairg (Strathpeffer) .. 𝔖	50	34	47·2	36·7	42·2	+ 7·0	24	15	6	0·59	- 0·22	9·7	+ 2·6	21	+ 6
		Glencarron	48	35	46·7	39·1	43·1	+ 5·6	20	8	7	3·66	+ 1·34	*	*	*	*
		Fort Augustus .. .. 𝔖	50	34	47·3	39·8	44·0	+ 5·8	23	6	6	0·53	- 0·75	1·2	- 2·1	3	- 4
		Fort William .. .. 𝔖	50	37	47·3	41·2	44·4	+ 5·0	20	2	7	1·89	- 0·21	*		*	*
1. SCOTLAND, E.		Nairn	51	32	49·3	38·9	44·3	+ 6·7	29	9	5	0·14	- 0·29	13·7	—	29	—
		Aberdeen .. .. .. 𝔖	50	33	46·7	35·9	41·5	+ 3·8	13	26	3	0·08	- 0·44	13·5	+ 2·8	28	+ 6
		†Balmoral (Crathes) .. 𝔖	49	34	46·4	37·1	41·9	+ 7·3	12	21	2	0·03	- 0·66	13·2	—	28	—
		†Clathick (Balruddery) .. 𝔖	55	34	49·7	38·5	44·3	+ 7·4	31	10	2	0·07	- 0·96	14·0	—	29	—
		†Leith (Edinburgh)	51	38	49·0	41·6	45·5	+ 6·4	26	1	1	0·04	- 0·36	3·9	- 2·5	8	- 5
		Marchmont .. .. 𝔖	50	32	46·1	36·6	41·5	+ 5·1	11	23	9	0·00	- 0·57	6·4	- 3·3	13	- 7
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	52	37	48·3	39·9	44·3	+ 6·4	25	6	0	0·00	- 0·52	8·9	—	18	—
		†Shields (Newcastle)	52	35	48·1	37·4	43·0	+ 4·4	26	13	0	0·00	- 0·49	5·5	- 0·2	11	0
		Durham	52	37	49·0	39·1	44·3	+ 7·1	28	8	0	0·00	- 0·45	15·8	+ 6·1	30	+ 11
		Scarborough .. .. 𝔐	51	37	47·7	38·5	43·3	+ 4·6	24	10	2	0·02	- 0·43	21·7	—	42	—
		York	51	36	48·3	39·2	43·9	+ 6·0	25	8	1	0·01	- 0·36	7·3	- 4·4	14	- 9
	Southern part.	†Spurn Head (Saltburn) ..	47	36	43·9	37·6	40·9	+ 2·4	5	18	1	0·07	- 0·25	—	—	—	—
		†Lincoln (Skegness)	50	33	47·2	35·2	41·4	+ 4·5	15	29	2	0·05	- 0·32	21·6	—	41	—
		†Fulbeck (Rauceby)	49	33	46·0	36·6	41·5	+ 5·1	11	23	2	0·06	- 0·31	16·7	—	31	—
3. ENGLAND, E.	Northern part.	Hillington .. .. 𝔐	49	31	46·5	35·6	41·3	+ 4·3	13	27	1	0·49	+ 0·03	19·4	+ 9·5	36	+ 18
		†Yarmouth (Lowestoft) ..	47	34	44·9	36·9	41·1	+ 3·5	8	21	1	0·30	- 0·13	18·8	—	35	—
		Geldeston	50	33	46·9	36·5	41·9	+ 3·7	14	24	3	0·28	- 0·09	20·6	+ 8·9	38	+ 16
		(Cromer)												19·5	—	36	—
	Southern part.	Cambridge	50	32	46·8	36·6	41·9	+ 4·2	13	24	1	0·21	- 0·13	17·4	+ 6·8	32	+ 13
		Felixstowe	? 49	35	44·9	37·0	41·1	+ 2·5	8	21	1	0·23	—	17·2	—	31	—
		Clacton-on-Sea	48	32	45·1	36·0	40·7	+ 2·6	9	24	1	0·22	—	15·3	—	28	—
		Rothamsted	48	33	45·9	37·0	41·6	+ 4·1	11	21	1	0·18	- 0·35	12·2	+ 2·0	22	+ 4
		†Shoeburyness (Southend) ..	48	34	46·1	37·3	41·9	+ 3·4	11	21	2	0·24	- 0·11	13·5	—	25	—
		London, Westminster	49	34	47·1	38·4	42·9	+ 3·7	21	10	1	0·18	- 0·25	6·1	+ 2·1	11	+ 4
		(Dunmow)												14·1	—	26	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	49	34	46·6	39·5	43·2	+ 6·0	19	7	1	0·01	- 0·50	8·4	—	16	—
		†Bawtry (Worksop)	51	30	46·6	34·9	41·0	+ 3·4	13	30	1	0·02	- 0·39	10·0	+ 2·4	19	+ 5
		Nottingham	52	36	47·9	39·1	43·7	+ 6·0	24	8	1	0·01	- 0·46	7·2	—	13	—
		Colly Weston	49	33	46·3	36·1	41·6	+ 4·2	13	26	2	0·17	- 0·21	*	*	*	*
		Birmingham, Edgbaston ..	50	36	47·3	38·3	43·2	+ 5·0	22	9	1	0·10	- 0·37	3·2	—	6	—
		Oxford	50	34	46·7	37·9	42·5	+ 3·8	21	11	1	0·11	- 0·33	13·7	+ 3·4	25	+ 6
	Western part.	†Cheadle (Sheffield) .. 𝔐	47	35	46·2	37·5	42·0	+ 5·1	12	13	2	0·09	- 0·48	13·9	—	26	—
		Shrewsbury	52	36	50·0	38·9	44·7	+ 6·5	32	9	1	0·07	—	*	*	*	*
		Hereford .. .. .. 𝔐	52	32	47·9	36·6	42·5	+ 3·9	26	15	2	0·04	- 0·50	*	*	*	*
		Cirencester	48	30	45·9	34·7	40·5	+ 2·7	11	30	1	0·05	- 0·55	12·2	+ 1·9	22	+ 4
		Bath	50	31	47·6	37·0	42·5	+ 2·9	25	14	2	0·07	- 0·51	7·9	—	14	—
		(Margate												10·3	0·0	19	0
5. ENGLAND, S		Kew	49	33	46·9	38·1	42·7	+ 3·9	21	11	1	0·18	- 0·25	10·4	+ 1·0	19	+ 2
		Wisley, Surrey	48	34	46·2	38·1	42·3	+ 4·1	18	11	1	0·19	—	9·5	—	17	—
		†Swarraton (Ventnor) .. 𝔐	49	29	45·9	35·8	41·1	+ 3·4	11	26	3	0·10	- 0·54	11·4	- 1·5	20	- 3
		Tunbridge Wells .. 𝔐	47	31	44·9	35·9	40·6	+ 3·0	8	25	2	0·19	- 0·41	10·7	+ 0·4	19	+ 1
		†Dungeness (Littlestone) ..	48	30	45·4	36·4	41·1	+ 1·5	10	23	2	0·05	- 0·39	9·1	—	16	—
		Hastings	49	32	46·1	37·7	42·1	+ 2·5	19	12	1	0·10	- 0·48	11·2	- 2·2	20	- 4
		Southampton	50	33	48·5	39·1	44·0	+ 4·1	26	8	1	0·04	- 0·62	10·5	- 1·9	19	- 3
		†Portland Bill (Worthing) ..	49	41	47·9	43·3	45·7	+ 5·2	26	0	0	0·00	—	12·0	—	21	—
		(Eastbourne)												12·5	+ 2·1	22	+ 4
6. SCOTLAND, W.		†Laudale (Oban)	52	39	49·7	42·3	46·2	+ 5·9	29	0	7	1·48	- 0·45	1·4	—	3	—
		Glasgow	50	38	47·2	41·4	44·4	+ 5·8	19	2	5	0·22	- 0·63	4·5	- 0·1	9	0
		Dumfries .. .. .. 𝔖	51	35	47·3	41·2	44·4	+ 5·2	20	2	3	0·15	- 0·82	*	*	*	*
		Cally .. .. .. 𝔖	47	32	46·2	39·6	43·0	+ 4·7	17	7	6	0·53	- 0·54	*	*	*	*
		Douglas, Isle of Man	50	38	47·8	42·0	45·0	+ 4·1	21	0	2	0·14	- 0·82	5·0	- 5·4	19	- 10
7. ENGLAND, N.W.		Aspatria	47	36	46·0	40·4	43·3	+ 5·7	16	4	5	0·30	- 0·40	4·3	—	8	—
		Newton Rigg	49	28	46·4	37·0	41·9	+ 4·7	12	22	4	0·09	- 0·67	8·8	+ 0·1	17	0
		Stonyhurst	47	37	45·6	39·8	42·8	+ 5·1	15	6	7	0·73	- 0·21	1·9	- 5·5	4	- 10
		Blackpool .. .. .. 𝔐	47	40	45·7	41·4	43·6	+ 5·2	14	2	4	0·15	- 0·48	5·9	- 2·3	11	- 4
		Manchester, Prestwich ..	48	38	46·1	40·0	43·2	+ 5·2	17	6	4	0·23	- 0·51	1·6	- 7·8	3	- 15
		†Liverpool Obs. (Hoylake) ..	51	37	47·3	39·4	43·5	+ 3·9	21	7	2	0·08	- 0·42	11·9	—	23	—
		†Hawarden Bridge (Southport)	53	32	49·3	39·0	44·4	+ 3·9	29	8	1	0·02	- 0·41	6·6	—	13	—
	NORTH WALES	Llandudno .. .. 𝔐	53	38	49·0	41·5	45·4	+ 3·9	26	1	4	0·12	- 0·48	15·5	+ 5·0	29	+ 9
		†Holyhead (Aberdovey) ..	50	42	48·3	43·1	45·8	+ 3·8	27	0	2	0·06	- 0·68	9·1	—	17	—
		Bettws-y-Coed	50	37	48·1	40·4	44·4	+ 4·1	24	4	3	0·13	—	7·2	—	13	—
8.	SOUTH WALES	Llangammarch Wells	48	33	46·2	37·8	42·2	+ 5·0	19	12	5	0·15	—	7·6	—	14	—
		Pembroke	50	42	48·7	43·9	46·4	+ 3·5	31	0	3	0·08	- 0·75	13·1	+ 1·2	24	+ 2
		†Cardiff (Aberystwyth)	49	30	47·4	35·1	41·5	+ 0·9	15	30	5	0·17	- 0·73	10·5	—	19	—
	ENGLAND, S.W.	†Clifton (Torquay)	48	35	46·6	39·4	43·1	+ 3·4	19	7	4	0·08	- 0·60	16·7	+ 3·7	29	+ 7
		†Shaftesbury (Marlborough) 𝔐	46	34	44·4	36·9	40·8	+ 3·2	7	21	3	0·07	- 0·57	7·2	- 1·9	13	- 3
		†Arlington (Newquay)	47	33	46·0	38·0	42·2	+ 2·2	18	11	7	0·57	- 0·50	12·3	+ 0·9	22	+ 2
		Cullompton .. .. 𝔐	50	30	47·7	36·4	42·3	+ 2·4	26	16	2	0·03	- 0·74	9·0	- 0·8	16	- 1
		Plymouth	52	35	49·6	39·8	44·9	+ 2·8	30	6	2	0·08	- 0·77	9·7	- 1·3	17	- 2
		Falmouth	51	39	48·9	42·4	45·8	+ 2·0	27	0	3	0·10	- 1·03	14·2	+ 1·7	25	+ 3
9. IRELAND, N.	Western part.	Malin Head	48	41	47·6	42·4	45·1	+ 3·6	22	0	4	0·14	- 0·49	*	*	*	*
		Edenfel	50	34	47·4	38·9	43·3	+ 5·4	22	9	6	0·26	- 0·54	*	*	*	*
		Blacksod Point	50	41	49·6	44·3	47·1	+ 4·3	36	0	7	0·54	- 0·60	*	*	*	*
		Markree Castle	51	33	48·4	40·8	44·8	+ 5·2	25	3	4	0·15	- 0·72	4·0	- 5·0	8	- 10
	Eastern part.	Armagh	50	35	47·4	40·7	44·2	+ 5·0	21	4	3	0·05	- 0·57	1·6	- 8·2	3	- 16
		Donaghadee	51	33	48·0	39·1	43·7	+ 3·0	24	8	3	0·05	- 0·57	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	52	36	50·1	40·6	45·5	+ 3·8	30	4	2	0·02	- 0·49	10·1	- 2·6	19	- 5
		Kilkenny	52	28	49·9	36·9	43·7	+ 2·9	33	14	2	0·07	- 0·70	*	*	*	*
		Waterford	55	32	49·1	38·4	44·0	+ 2·9	29	10	1	0·02	- 0·91	*	*	*	*
	Western part.	Birr Castle	50	32	49·3	37·3	43·5	+ 3·8	30	13	5	0·12	- 0·54	5·4	- 5·4	10	- 10
		Foynes	51	36	49·9	41·6	45·9	+ 4·2	29	1	3	0·25	- 0·63	*	*	*	*
		Killarney	54	35	51·9	41·1	46·7	+ 3·5	37	3	2	0·11	- 1·35	*	*	*	*
		Valencia	51	36	50·3	42·9	46·8	+ 2·0	34	0	7	0·45	- 0·91	1·9	- 8·9	4	- 17
		†Roches Point (Ballinacurra) ..	52	35	49·6	41·1	45·5	+ 1·9	28	3	5	0·24	- 0·92	6·3	—	11	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	52	47	50·9	47·3	49·2	+ 3·0	50	0	1	0·04	- 0·76	13·4	+ 0·4	24	+ 1
		†Jersey, St. Aubins (St. Heliers)	52	35	48·9	41·1	45·2	+ 2·6	26	3	5	0·16	- 0·58	13·8	- 0·9	23	- 2
		Guernsey	51	38	48·8	42·0	45·5	+ 2·1	25	0	4	0·13	- 0·72	14·7	+ 3·4	25	+ 6

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 13·2 hrs., 24 %; Brighton, 11·2 hrs. (- 0·4), 20 % (- 1 %); Bournemouth, 12·9 hrs., 23 %; Bognor, 12·8 hrs., 23 %; Rhyl, 15·3 hrs., 30 %; Tenby, hrs. ( ), % (%).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	6	25	34·7	38·1
	Marchmont ..	—	—	36·0	—
	— — ..				
2.	Cockle Park	0	31	37·7	39·0
	York	—	—	38·4	41·7
	Hull	5	25	36·4	41·4
	Lincoln	—	—	36·0	41·4
3.	Cambridge	6	25	38·8	42·3
	Dunmow	3	26	—	—
	Clacton-on-Sea ..	2	28	40·2	44·0
4.	Harrogate	2	30	39·2	40·3
	Sheffield	3	27	38·1	41·9
	— — ..				
	Birmingham ..	3	28	41·6	44·5
	Nottingham ..	4	28	38·7	39·9
	— — ..				
5.	Kew	3	23	39·5	43·2
	Canterbury	1	29	39·5	42·9
	Portsmouth ..	2	25	42·0	45·1
	Wisley	—	—	40·2	43·2
6.	— — ..				
	Glasgow	0	32	—	—
	— — ..				
7.	Newton Rigg ..	3	19	38·9	41·1
	Southport	1	30	39·4	40·8
	Bettws-y-Coed ..	0	34	41·0	43·1
	Manchester City ..	0	35	39·3	42·0
	— — ..				
8.	Llangammarch Wells	3	25	41·8	44·0
	Bath	—	—	41·6	45·5
	Plymouth	3	29	43·1	—
	— — ..				
9.	Armagh	0	32	41·6	43·6
	Markree Castle ..	1	27	—	—
10.	Dublin, Trin. Coll. ..	0	34	41·9	43·7
11.	Guernsey, Brooklyn	2	29	44·7	46·8

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	45	40	42·1
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	42	36	38·8
	Pennan Bay	41	40	40·6
	Aberdeen, Cove Bay ..	40	38	39·2
ENGLAND, N.E.	Burnmouth, Berwick ..	42	40	41·0
	Scarborough	42	39	40·3
ENGLAND, E.	Shipwash Lightship ..	40	39	39·8
ENGLAND, S.E.	Eastbourne‡	43	41	42·0
SCOTLAND, W.	Lamlash	46	45	45·9
	Ballantrae	45	44	44·6
ENGLAND, N.W.	Port Erin	49	48	48·0
ENGLAND, S.W.	Newquay	45	43	44·5
	Plymouth‡	48	47	47·7
	Salcombe	49	47	47·9
IRELAND, N.W.	Sheephaven	47	44	45·5
	Ballyglass	49	46	47·2
IRELAND, S.W.	Cleggan	47	46	46·4
	Seafield	48	45	46·4
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

NOTES ON THE WEATHER FROM DECEMBER 24TH TO 27TH, 1906.

The weather from December 24th to December 27th presented many striking features, and the following notes, compiled with the help of records from self-recording instruments and other information received subsequently to the issue of the Daily Weather Report, may be of interest.

On the morning of December 24th distribution of pressure showed a gradient for westerly wind over the whole of the northern half of the area from which daily reports are received by telegraph, but, beyond the fact that the barometer was falling fast in Scotland, there was nothing to indicate that any very striking changes were about to occur. When, however, the reports from Iceland and the Faroe Islands came to be plotted they showed that the gradient for westerly wind which had prevailed for some days over the portion of the Atlantic between Iceland and Norway had disappeared and that Northerly winds had set in in this region. During the following days this Northerly air current established itself over the whole of the western portion of Europe and by the end of the week it had extended as far south as Africa.

The transition from a Westerly to a Northerly wind was in many cases very sudden. The first anemometer station in the British Isles to experience the change was Deerness. Here a S.S.W. wind, of velocity 33 miles in the hour,* was replaced suddenly, at 1 p.m., by a North wind of velocity 44 miles per hour. Somewhat similar changes of wind occurred at Aberdeen at 2.45 p.m. and at Alnwick Castle and North Shields at 5 p.m. and 6 p.m. respectively. At Aberdeen the barometer, which had been falling rapidly, commenced to rise as the wind changed. If we assume that similar changes in the behaviour of the barometer at other stations corresponded with similar changes of the wind, the records available furnish the following additional data for tracing the advance of the current from the North:—Stornoway 10.30 a.m., Sumburgh Head 11 a.m., Malin Head 2 p.m. Further south the changes of wind recorded by the anemometers were more gradual. The interaction of the two currents gave rise to a "secondary" which caused rain or snow in all parts of England, but the amounts of precipitation were nowhere large.

On the morning of December 25th this "secondary" had dispersed and a gradient for northerly or north-westerly wind had established itself over the whole of the United Kingdom. The most striking feature of the map for 8 a.m. was a deep depression over the South of Norway. The situation underwent little change during the ensuing ten hours, but at 6 p.m. a small "secondary" had appeared off the north coast of Ireland. The anemometer records show that this secondary was of the nature of a small atmospheric whirl which travelled south-eastward in the course of the night. At 10 p.m. the region of lowest pressure seems to have been over the Irish Sea, for the anemograms show a complete circulation round this area. The directions were E. at Glasgow, S.E. at Fleetwood, S.W. at Holyhead and N. at Kingstown. At a somewhat later hour the air over central and south-eastern England was drawn into the secondary circulation. At Kew the wind was Southerly at midnight and by 2 a.m. it had become South-easterly and increased somewhat in force. At Yarmouth a fresh South-east wind set in suddenly at 4.30 a.m., while at the same hour the directions at Fleetwood and Holyhead were North-easterly and North-westerly respectively. Strong westerly to north-westerly winds prevailed at Scilly and Falmouth throughout the night, at both stations the pressure tube instruments recorded extreme velocities in gusts of 60 miles per hour or more.

The minimum of the secondary probably passed very near to Kew, for at 6 a.m. the wind there was almost calm and very shortly after a fresh North-west breeze set in. In the chart for 8 a.m. on December 26th the centre of the whirl, near which the pressure had fallen below 28·9 inches, was over the Straits of Dover; during the day it moved away slowly to the south-eastward, causing the wind to shift at Yarmouth through East and North-East to North. The passage of this disturbance across the country was accompanied by a heavy fall of snow over nearly the whole of England. This snow appears to have fallen mainly with the South-easterly wind, at any rate in the London district, for it adhered to the southern sides of tree trunks while the northern sides were left bare.

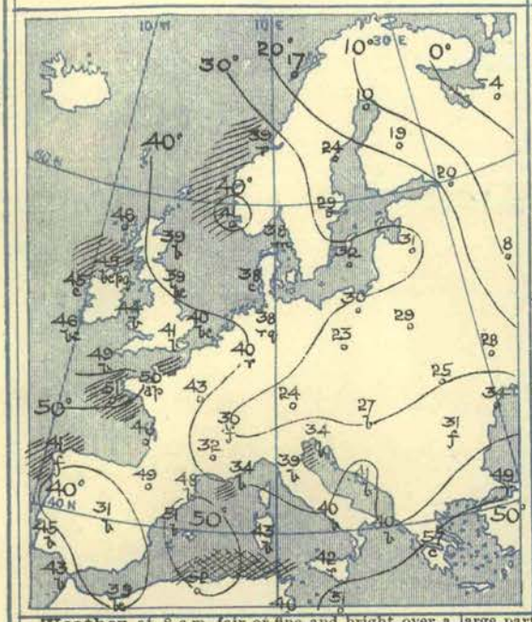
While the secondary was making its way across England the gradient for northerly wind over the north Atlantic had been steadily increasing in intensity, and at 8 a.m. on December 26th there was a difference of pressure of 1·26 inches between Sumburgh Head and the south-east point of Iceland. A rapid fall of the barometer was again in progress in our northern districts and on the north-east coast of Scotland the wind had backed to North-West or West. A second inrush of air from the North, somewhat similar to that which occurred on December 24th, took place during the day. At 11 a.m. a North wind of great violence set in at Deerness, again with remarkable suddenness. The force of the wind was so great that the apparatus for recording direction was soon wrecked but the velocity apparatus remained uninjured. For the following 44 hours the mean hourly velocity of the wind remained above 40 miles in the hour and for 20 of the hours the hourly "run" of the wind exceeded 50 miles. The greatest "run" in any one hour was 62 miles. Similar sudden changes, of a less violent character, occurred at Aberdeen at 3 p.m., at Alnwick Castle at 6 p.m. and at North Shields at 7.45 p.m. At Aberdeen and North Shields the highest "run" of the wind in an hour was 26 miles. At Alnwick Castle the pressure tube instrument recorded velocities of 58 miles per hour in gusts several times during the hours succeeding the change of the wind. In other parts of the country some very high wind velocities were experienced, particularly in the Irish Sea. Of the high records from Robinson cup anemometers the following may be quoted:—Holyhead 43 miles in the hour, Fleetwood 47 miles in the hour, Kingstown 30 miles in the hour.

The gale was accompanied by heavy snowfall, and many accounts of damage and loss of life appeared in the public press.

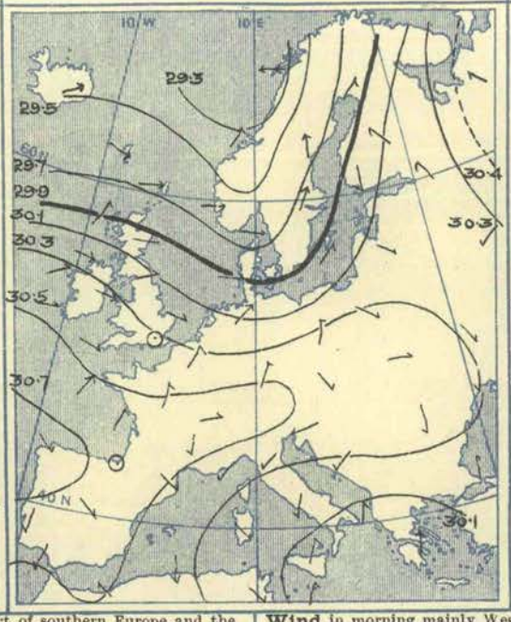
* The velocities quoted in this note are all measured in statute miles per hour. The Factor 2·2 has been used for all Robinson cup anemometers of standard pattern.

Sunday, 6th January, 1907.

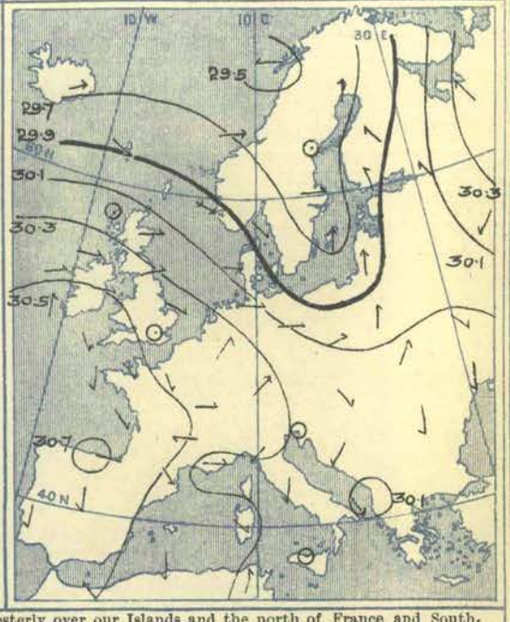
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright over a large part of southern Europe and the United Kingdom, but showery in the north of Ireland and rainy at Palermo and Constantinople. Overcast in most other parts of our area, with rain in Belgium and the north of France, and rain or snow at some stations in Scandinavia. Various quantities of rain or snow experienced later over Germany and northern Europe, as well as in the south of Russia and at some Mediterranean stations.

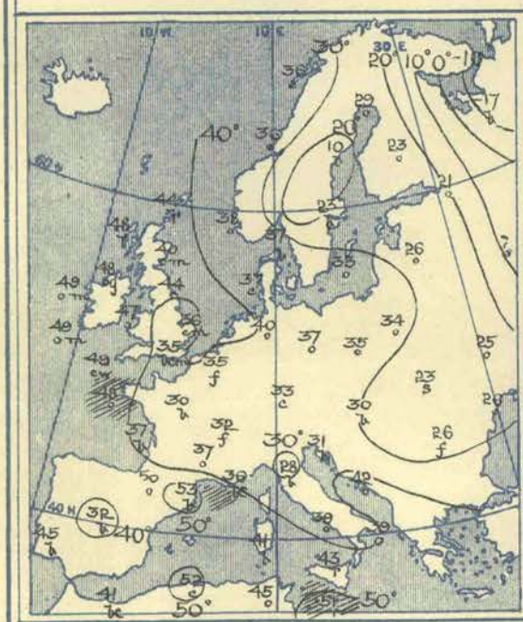
Temperature risen over France, the Netherlands, Scandinavia, and Finland, fallen in most other regions. Readings in morning 57° at Athens, and above 50° at a few other places in the far south and also at Brest. Much below the freezing point over the north-east of the Continent and in some parts of central Europe. Maxima during day only slightly below 50° in England and Ireland, about 50° or a little higher along the west coast of France, and nearly 60° at some stations in Algeria and Greece. Maxima below 50° over the greater portion of Italy and the Riviera.

Wind in morning mainly Westerly over our Islands and the north of France and South-Westerly over Scandinavia; fresh or strong at a few of our exposed western stations, and strong to a gale in Scandinavia. A gale from East reported at Bodö. A high Southerly wind prevailing at Athens, moderate Easterly or North-Easterly breezes over Italy and the Adriatic, and a strong Northerly breeze at Algiers. Winds becoming more variable during day over southern Europe, and also over Scandinavia, but not much change of importance as a whole.

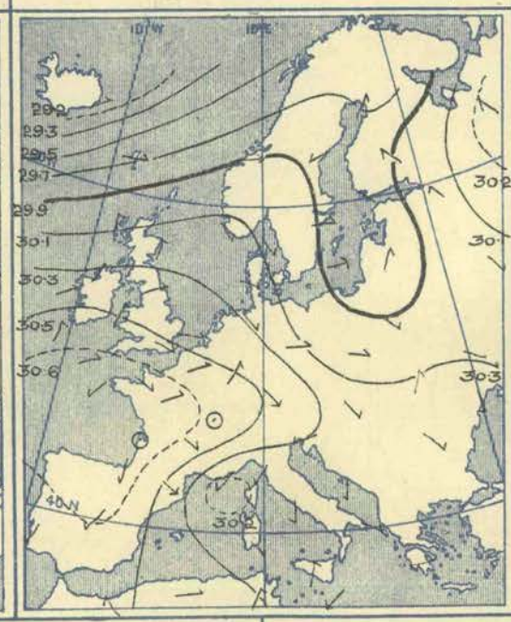
Barometer in morning above 30·7 ins. over the north-west of the Spanish Peninsula, and relatively high in a band extending thence across the central countries. Below 30·1 ins. in a shallow depression over the central portion of the Mediterranean, and below 29·3 ins. in a larger system off the north-west coast of Norway. Pressure increasing during day over our Islands and the Icelandic region and decreasing over the Baltic and Germany. Gradients becoming less steep over the northern half of our area, and Mediterranean depression partially dispersing.

Monday, 7th January, 1907.

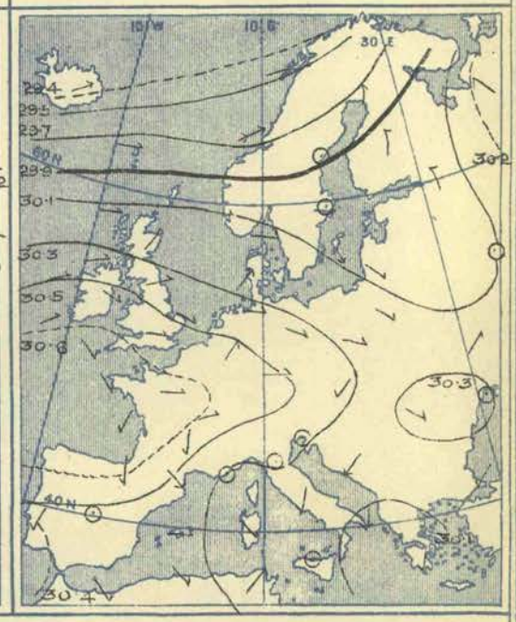
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of the Spanish Peninsula, France, Denmark, and Sweden; cloudy or overcast in most other regions, with much mistiness over our Islands, rain at Malta and Palermo, and snow at Lemberg and also at Aumale. Dry generally during the succeeding twenty-four hours, but rain or snow falling in Norway and Finland, and some rain in Tunis and at a few of our own stations.

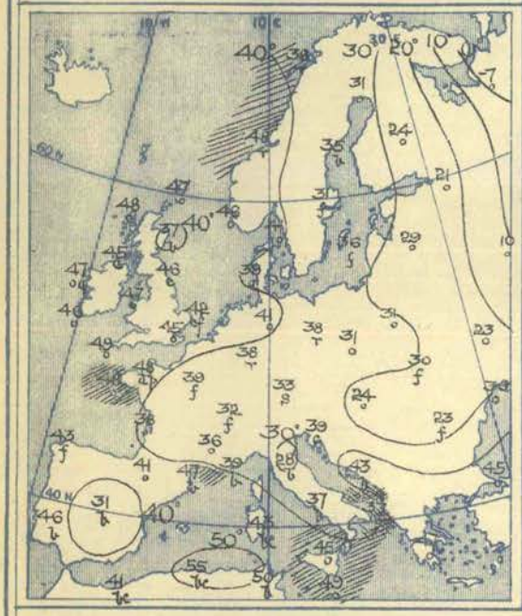
Temperature risen over Ireland, Scotland, and the north of Scandinavia, fallen in most other regions. Readings in morning as low as 17° at Archangel, 7° at Moscow, and 16° at Karlstad; not much below 32° in any part of central Europe, but only 32° at Madrid, and 33° at Rome. Highest readings 51° at Malta and 53° at Barcelona. Rising later to about 50° in most parts of the United Kingdom and France, and also in the Mediterranean region. Highest maxima 59° at Athens, Malta, and Barcelona. Frost continuing all day over Russia and the north of Scandinavia.

Wind in morning Westerly or South-Westerly over these Islands and Scandinavia, drawing into the Southward over Finland, and into North-West over the central countries. Rather variable, but mainly from some Northerly point over the south of Europe and Mediterranean. No greater force in any part of our area than a strong breeze at Christiansund and Wisby. Some increase in force taking place later over the Mediterranean, and direction becoming more Northerly; a fresh gale setting in at Christiansund.

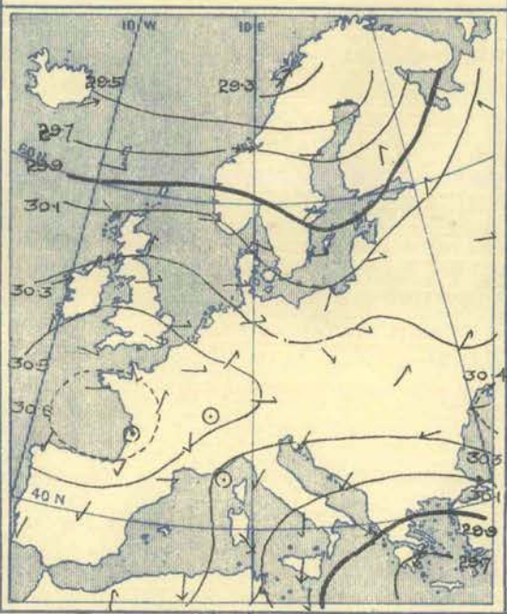
Barometer in morning ranging from above 30·6 ins. over the Bay of Biscay and the surrounding regions to below 29·2 ins. in a very large system of low pressure to the northward of Scotland. Relatively low over the Gulf of Riga and off the south of France. Not much change in the general distribution during day; barometer rising in the far north, falling in the south-east, and remaining practically unchanged within the anticyclonic area.

Tuesday, 8th January, 1907.

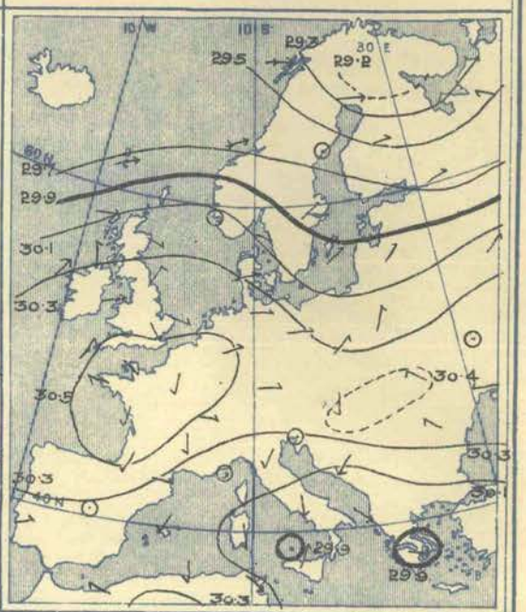
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over Italy, the Spanish Peninsula, and some other southern localities; cloudy or overcast generally, with rain in Tunis, over North and West Germany, and on the north-west coast of Norway, and fog or mist in various other regions. Some rain later on some shores of the Mediterranean, and rain or snow at a few scattered localities elsewhere, but weather remaining dry generally.

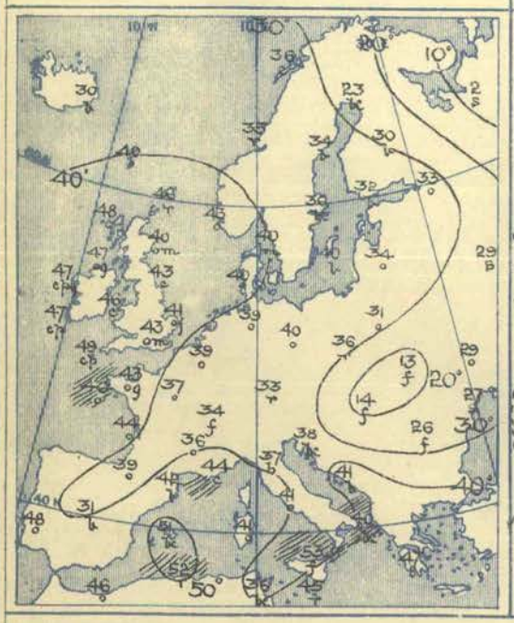
Temperature risen in most parts of northern Europe, fallen in the south. Readings in morning not far from the freezing point over Europe as a whole, but as low as –7° at Archangel; above 45° on the west coast of Norway and at most of our own stations, and about 50° at a few places in the extreme south of our area. Frost continuing all day at Buda-Pesth and in the north-east of Europe, but thermometer rising to above 40° in many German districts, to 48° or 49° over these Islands and the north of France, and to above 50° at some extreme southern stations.

Wind in morning mainly Westerly over the northern half of our area light generally, but blowing a gale on the north-west coast of Norway. Chiefly North-Easterly to North-Westerly over southern Europe and the Mediterranean; fresh or strong in places, and blowing a gale at Athens. Gale continuing throughout the day along the north-west coast of Norway, and wind becoming high in places on the coast of the Adriatic and on the north-coast of Africa.

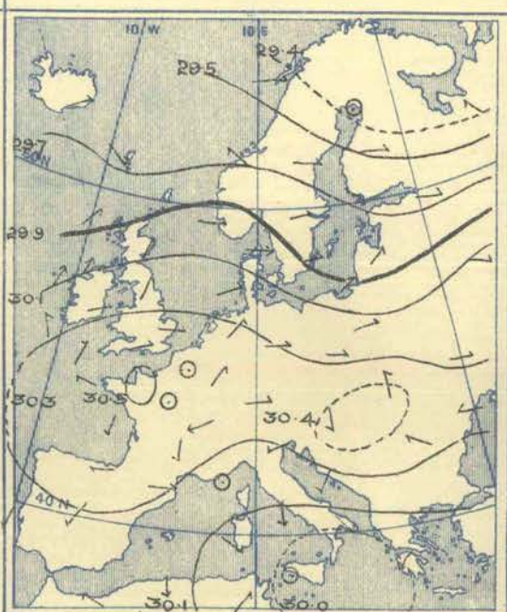
Barometer in morning above 30·6 ins. in a large anticyclone having its maximum over the Bay of Biscay and the adjacent portion of France. Below 29·7 ins. in a depression over the Grecian Archipelago, and less than 29·3 ins. in another system in the far north of Scandinavia. Anticyclone giving way somewhat during day while maintaining the same position. Northern disturbance travelling quickly in an easterly direction. Pressure changing irregularly over Greece and the Mediterranean, and the distribution in that neighbourhood undergoing some considerable modification.

Wednesday, 9th January, 1907.

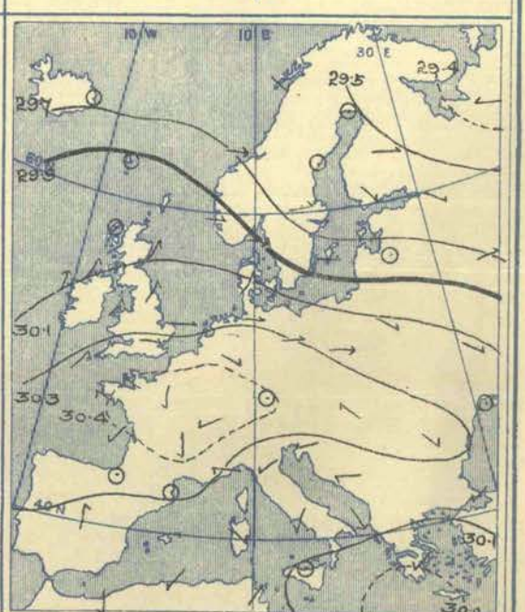
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe and also in Sweden; cloudy or overcast as a whole, with rain at Algiers, passing showers on the west coast of Ireland and at the Scilly Isles, and snow in many Russian localities. An inch of rain falling later at Malta, 1·6 in. at Christiansund, considerable amounts at some Algerian stations, and heavy snow at Kuopio.

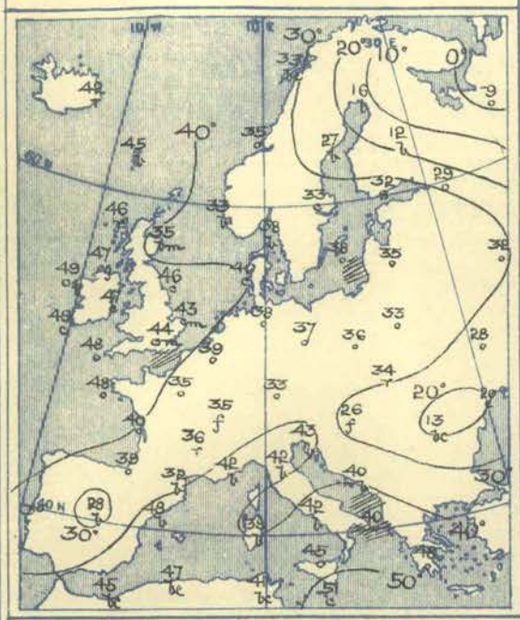
Temperature in morning showing irregular changes since the preceding day. Readings much below 32° in the north-east of our area and in the southern districts of Poland and Hungary; above that value as a whole, above 45° at many of our own stations and over the Mediterranean region, and as high as 52° at Algiers. Maximum only 34° at Madrid, and no higher than 45° in some parts of Italy, but thermometer rising to about 50° in many parts of these Islands and the south of France, and to about 60° in some districts of Algeria.

Wind in morning showing a very extensive anticyclonic movement over all the central parts of our area, moderate to fresh or strong breezes, mainly from the Westward or South-Westward, over the northern countries, and moderate breezes from between North-West and North-East over the Mediterranean. Scarcely any change during day.

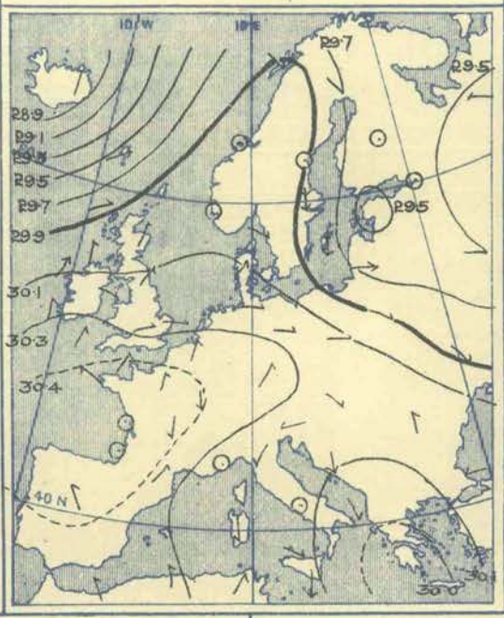
Barometer in morning highest, 30·3 ins. to above 30·5 ins. in a very large anticyclonic band extending from the Atlantic and the Bay of Biscay across Central Europe to the south of Russia. Below 30·0 ins. over the central portion of the Mediterranean, and below 29·4 ins. in a large depression in the extreme north. High pressure system giving way somewhat during day, but little change occurring in the general distribution of pressure. A rapid fall of the barometer taking place during night in the Icelandic region.

Thursday, 10th January, 1907.

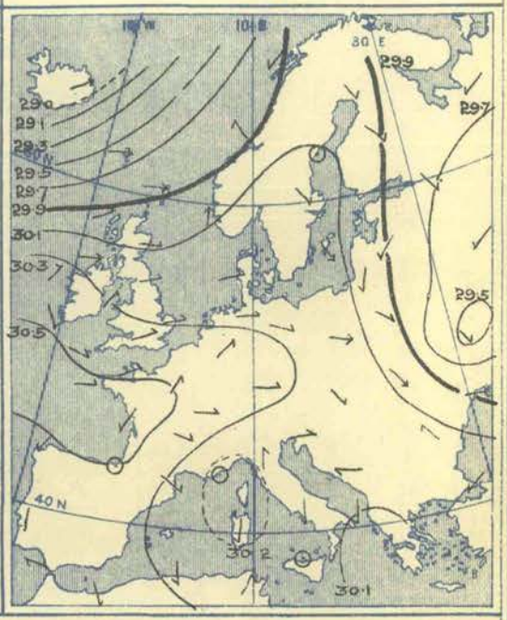
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many Scandinavian regions and in most parts of southern Europe, but cloudy or quite overcast as a whole. Snow falling over the Gulf of Finland, and rain at Cracow and Constantinople. Slight precipitation occurring later in a few parts of our area, but conditions continuing dry generally.

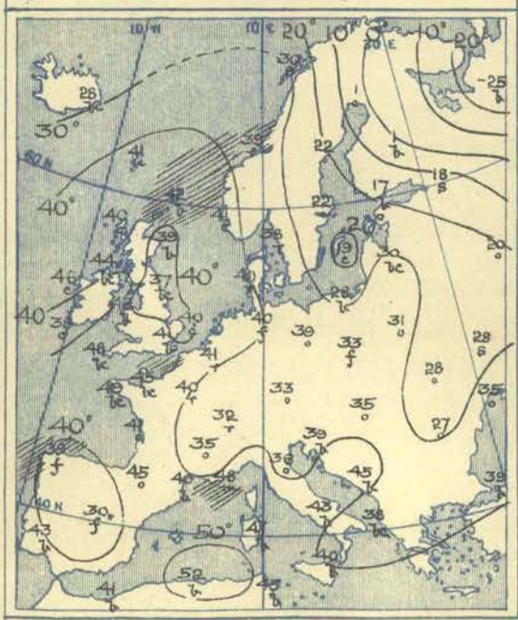
Temperature risen in some localities, but fallen generally; readings in morning a little above 30° over our area as a whole, but not far from 50° at many of our stations and at some stations in the far south, and much below the freezing point in the north-east; lowest value, -9° at Archangel. Frost continuing throughout the day over almost the whole of Russia and in the north of Sweden, and thermometer only touching 33° in some parts of Poland and Transylvania. Maxima as high as 60° at some stations in the extreme south, and nearly 50° along the west coast of France and in many parts of these Islands.

Wind in morning light or moderate from South-West or West over the north-western countries, and light or moderate from the Northward over the southern regions. A cyclonic circulation prevailing around the Baltic provinces of Russia, Northerly current blowing a gale over the upper part of the Baltic. Veering towards North-West over the United Kingdom during the ensuing twenty-four hours. Gales over the Baltic subsiding by evening.

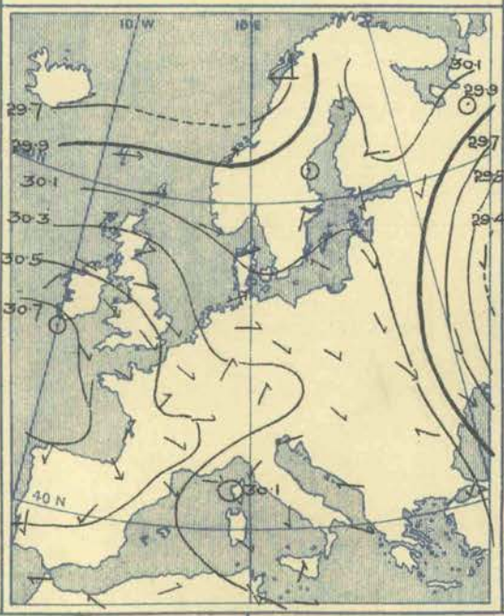
Barometer in morning above 30·4 ins. in an anticyclone covering the Bay of Biscay and the major portions of France and the Spanish Peninsula; below 29·0 ins. over Iceland, and relatively low over the south-east of our area and in a well-defined depression having its centre over the Gulf of Riga. A rapid recovery of pressure taking place subsequently over the Icelandic region and our north-western districts. Russian depression travelling quickly south-eastwards and barometer rising very decidedly in its rear. Gradients becoming steep over the west and south-west of Russia.

Friday, 11th January, 1907.

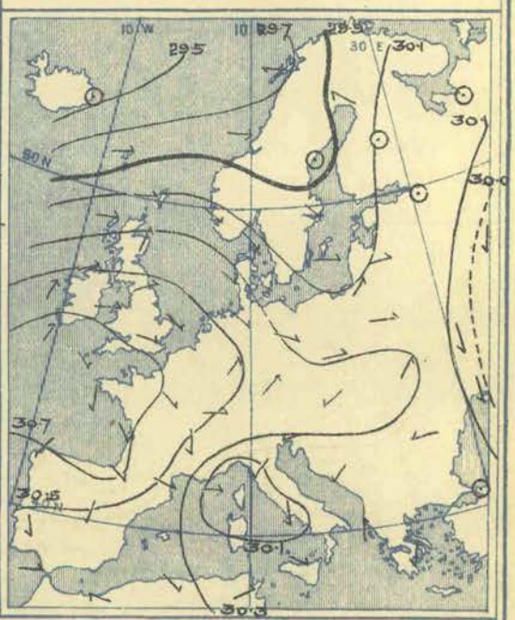
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the United Kingdom, many parts of North Germany and southern Europe, and in Algeria; cloudy or quite overcast elsewhere, with rain over Denmark, the Low Countries, and the east of France, and rain or snow in various parts of Scandinavia and the north of Russia. Continuing very bright in nearly all parts of England throughout the day and precipitation very slight except in Norway.

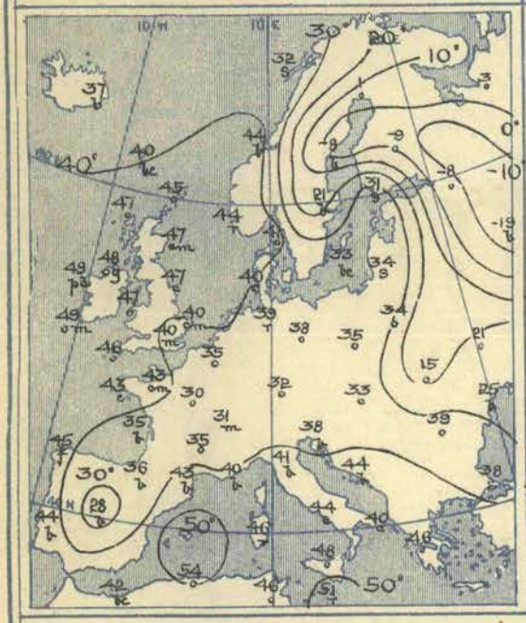
Temperature fallen in most regions, quickly in the north of Russia, Finland, and the north of Sweden. Readings at 8 a.m. above the freezing point over the western and central countries, and about 50° at some stations on the southern shores of the Mediterranean. Thermometer very low in the far north-east; 25° below zero at Archangel. Rising to 50° later at some of our own stations and in various parts of France and Italy, to about 60° in some Spanish localities, and to 64° at Algiers. Severe frost continuing in the north-east of our area.

Wind in morning Westerly over Scotland, the Icelandic region, and the west of Norway, and drawing into East at Bodö. Mainly North-Westerly over Ireland, England, and the north of France, and Easterly or North-Easterly over the Spanish Peninsula. A cyclonic circulation prevailing over the central portion of the Mediterranean, and a Northerly or North-Westerly breeze over Russia. Scarcely any force greater than a fresh breeze in any part of our area.

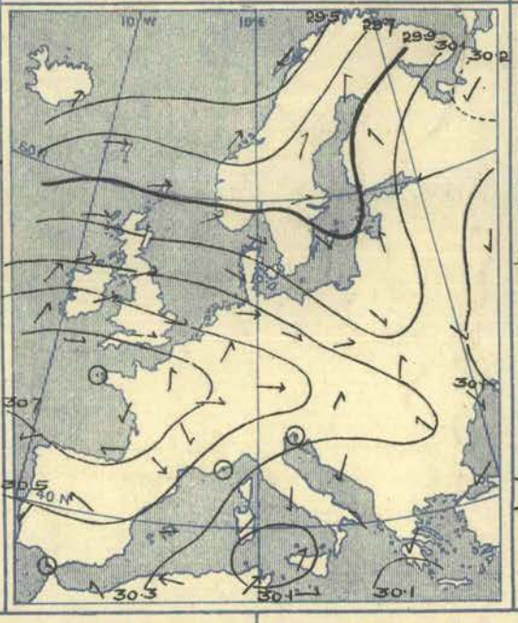
Barometer in morning above 30·7 ins. over the south of Ireland and the Bay of Biscay, decreasing to about 30·1 ins. over the Gulf of Genoa, to below 29·7 ins. off the north-west coast of Norway, and to below 29·3 ins. in the south of Russia. South-western anticyclone continuing to extend over our Islands and France during day, but barometer falling over Italy, and a fresh fall occurring in Iceland by evening. Russian disturbance travelling away from our area. Gradients becoming very steep over the south east of France and Lombardy.

Saturday, 12th January, 1907.

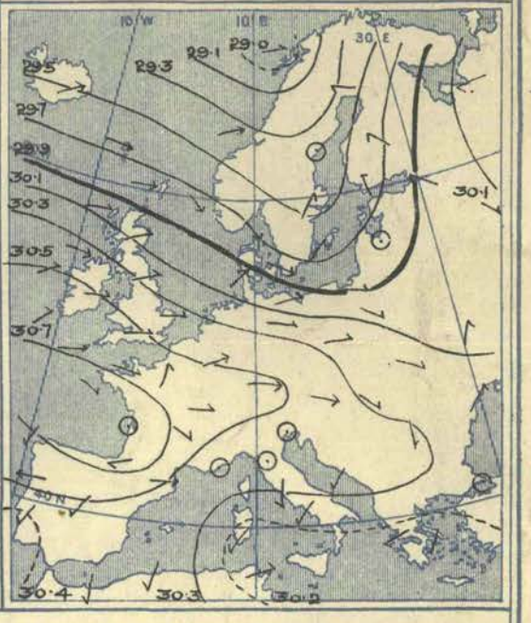
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of Sweden, Russia, and the Mediterranean region. Overcast generally, with showers on our most northern and north-western coasts, rain at Cuxhaven, and rain or snow in Norway. Snow falling at Constantinople, and rain at Palermo and La Calle. Small quantities of rain or sleet falling later in the north and west of these Islands and Germany, and rather heavy snow at some Scandinavian and Finnish stations.

Temperature changed irregularly; 39° colder at Moscow, and 28° milder at Archangel. Readings in morning nearly 50° at several of our own western and northern stations, about 35° over most of Central Europe, but only 28° at Madrid. Below zero in the north of Sweden and in many parts of Russia; lowest value -19° at Moscow. Intense frost continuing all day throughout Russia, maximum temperature at St. Petersburg being -4°. Thermometer rising to about 50° in many parts of our Islands, France, and Italy, and to nearly 60° in Algeria.

Wind Westerly or South-Westerly over the north-western countries, and Southerly to Easterly in the north-east. A fairly well defined cyclonic circulation of moderate to strong breezes shown over the Mediterranean. Wind increasing somewhat in force in many parts of the United Kingdom and the north of the Continent during day. Cyclonic circulation over the Mediterranean becoming less well marked.

Barometer in morning above 30·7 ins. over the Bay of Biscay and the major portion of France. Below 30·1 ins. in a depression having its centre between Sicily and Sardinia, and below 29·5 ins. in a larger system in the far north of our area. Little change taking place later in the general distribution of pressure. Northern cyclonic system travelling eastwards and causing a fall of the barometer over Scandinavia and northern Europe generally. Southern anticyclone maintaining its position.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 300	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,330 / 2,500	10,000 / 3,000	Remarks.
1907. January 6th, 10.27 a.m. to 12.18 p.m.	Brighton, 380 ft.	Temperature F.	45°	45°	[41°]					One kite, 60 sq. ft.; 5,500 ft. wire. Max. height, 2,700 ft. Hazy.
		Humidity	80%	60%	[60%]					
		Wind Velocity, m. per hr.	NW, 15	NW, 28	[NW by N, 33]					
January 7th.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—						Pilot balloon ascent. A uniform ascensional velocity of 300 ft. per minute has been assumed. Balloon lost in clouds at about 2,400 ft. Wind NW by W.
		Humidity	—	—						
		Wind Velocity, m. per hr.	W by N, 12	W by N, 20						
January 8th, 10.10 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	37°	30°					One kite, 77 sq. ft.; 5,400 ft. wire. Max. height, 4,000 ft. Inversion 30° to 35°, and 100% to 70% at 3,800 ft. Completely overcast. Large quantities of water dripped off the wire as it came in. Cloud level at 2,100 ft.
		Humidity	100%	100%	100%					
		Wind Velocity, m. per hr.	WSW, 10	W by S, 25	W by S, 25					
January 10th, 10.0 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	41°	35°					One kite, 77 sq. ft.; 5,000 ft. wire. Max. height, 3,800 ft. Completely overcast. Cloud level, 600 ft.
		Humidity	90%	100%	100%					
		Wind Velocity, m. per hr.	SW, 15	WSW, 25	W by S, 25					
January 12th, 10.10 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	38°	[35°]					One kite, 77 sq. ft.; 3,100 ft. wire. Max. height, 3,100 ft. Rapid increase of wind and change of direction with height, especially at the cloud level, 2,000 ft. Temperature variable, lower when there were clouds.
		Humidity	80%	90%	[100%]					
		Wind Velocity, m. per hr.	WSW, 15	W, 35	[WNW, 48]					
January 12th, 10.47 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature F.	41°	38°						One kite, 60 sq. ft. Clouds not reached. Wind, W by N to 1,300 ft., and then changed to NW by N at the highest point, 2,100 ft. Temp. at 2,100 ft., 37°.
		Humidity	85%	85%						
		Wind Velocity, m. per hr.	W by S, 20	NW, 28						
January 12th,	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—						Pilot balloon ascent. A uniform ascensional velocity of 300 ft. per minute has been assumed. Balloon lost in clouds—stratocumulus—at about 1,500 ft.
		Humidity	—	—						
		Wind Velocity, m. per hr.	WSW, 4	W by N, 16						

The surface winds velocity at Brighton are estimated.

63, Victoria Street, London, S.W. *January 16th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTIETH YEAR. Vol. XXIV. (New Series.) } No. 3. THIRD WEEK, ENDING SATURDAY, JANUARY 19TH, 1907.

[Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was very dry over the Kingdom generally, with a good deal of sunshine in many of the English and Scotch districts, on the first and two last days of the week. Earthquake shocks were experienced at about 1.50 p.m. on Thursday, both at Laudale and Fort William, and thunder was heard at Valencia on the night of Saturday.

Temperature was again above the average, the excess ranging from about 1° in the English Channel, and about 1½° in England S.W. to nearly 4° in Scotland N. and W. The highest of the maxima, which were recorded during the earlier half of the week, varied from 56° in Scotland E. (at Clathick), to 50° in the north of Ireland and the western districts of England. The lowest of the minima were registered either on the 18th or 19th, and ranged from 20° in Scotland N., 22° in England N.E. and 23° in the Midlands and England S., to 37° in the English Channel and to 38° in Ireland N. During the greater part of the week the nights were very mild for the time of year, and the diurnal range of temperature was slight.

Mean Temperature of the Sea.—An increase in warmth was experienced on most coasts, the rise being less than a degree generally, but as much as 3° at Cromarty, and 1·6° at Scarborough. The lowest mean value was 40·0° at Aberdeen, and the highest values, 48·1° at Plymouth and Salcombe. Generally the mean temperature was below 42° along the East and North-East coasts of Great Britain, except at Wick, where it was 45°, and between 46° and 47° on the west and north-west coasts of these Islands.

Rainfall was less than the average in all districts; at many stations in England the week was rainless.

Bright Sunshine exceeded the average throughout the "Eastern Section" and also in England N.W., but was below it elsewhere. The layer of cloud which covered nearly the whole country from Monday till Thursday was only partial in the north-east of England, and in this district the total for the week exceeded the limit for "very abundant." The percentage of the possible duration ranged from 39 in England N.E., and 28 in England E. to 8 in Ireland S., and to 4 in Scotland W.

Barometer and Wind.—Until towards the end of the week a large anticyclone lay to the southward of this country, and the winds, which had little force, came from the Westward or South-Westward, but by Friday the central area of the system had taken up a position further to the north-eastward, and the winds consequently became more Southerly in the western and northern districts, and Easterly over the Midlands and south of England.

THE WEEK.

For explanation of the terms "Unusual," &c., see page 4., No. 1.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Very Light	Nought	Very Light	Very Light	Very Light	Light	Very Light	Very Light	Very Light	Very Light	Light
	Sunshine ...	Moderate	Abundant	Very Abundant	Abundant	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906-7. 7 weeks from Dec. 2nd, 1906.	Warmth ...	4 * 3	4 * 3	2 * 3	2 * 2	2 * 1	2 * 2	4 * 3	2 * 2	0 * 3	3 * 2	2 * 3	1 * 3
	Rainfall ...	2 * 0	2 * 4	1 * 3	2 * 3	1 * 3	1 * 4	1 * 3	3 * 3	1 * 3	2 * 3	1 * 3	2 * 4
	Sunshine ...	0 * 3	4 * 0	5 * 1	3 * 0	2 * 1	3 * 1	1 * 3	2 * 1	2 * 2	1 * 3	1 * 3	0 * 2

PAST SEASONS.

WINTER, 1905-6. Dec. 3rd-Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 * 0
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th-June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd-Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd-Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (3rd)—December 30th, 1906, to January 19th, 1907.

DISTRICTS. (See p. 19.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	51	20	46·0	38·1	42·2	+ 3·3	18	+ 11	11	− 20	4	− 1	0·96	− 0·37	7	+ 1	14	+ 3
Eastern																		
1. SCOTLAND, EAST	56	24	46·2	36·6	41·6	+ 3·4	12	+ 4	23	− 12	1	− 3	0·04	− 0·47	13	+ 3	25	+ 7
2. ENGLAND, N.E.	52	22	45·0	36·9	41·1	+ 2·2	8	0	21	− 11	0	− 3	0·00	− 0·40	21	+ 12	39	+22
3. ENGLAND, EAST	51	25	45·0	37·1	41·2	+ 3·1	8	0	20	− 17	0	− 3	0·01	− 0·36	16	+ 4	28	+ 8
4. MIDLAND COUNTIES	51	23	44·6	36·4	40·7	+ 2·4	7	− 3	23	− 13	0	− 3	0·01	− 0·43	11	+ 1	20	+ 2
5. ENGLAND, SOUTH	52	23	45·5	39·5	42·6	+ 2·8	15	+ 4	7	− 21	0	− 4	0·01	− 0·48	13	+ 2	22	+ 3
Western																		
6. SCOTLAND, WEST	51	32	46·8	41·1	44·1	+ 3·9	18	+ 7	3	− 21	2	− 2	0·31	− 0·77	2	− 6	4	−12
7. ENGLAND, N.W.	50	28	45·2	39·0	42·2	+ 2·2	14	+ 5	8	− 18	2	− 2	0·07	− 0·61	10	+ 2	19	+ 3
8. ENGLAND, S.W.	50	26	45·7	40·1	43·0	+ 1·4	15	− 2	5	− 15	2	− 2	0·05	− 0·73	7	− 4	13	− 7
9. IRELAND, NORTH	50	38	46·7	42·3	44·6	+ 3·6	18	+ 4	0	− 22	2	− 3	0·12	− 0·64	5	− 5	9	− 9
10. IRELAND, SOUTH	51	35	48·3	43·8	46·1	+ 3·3	29	+ 8	0	− 16	2	− 2	0·16	− 0·69	5	− 7	8	−12
11. CHANNEL ISLANDS	51	37	47·3	43·3	45·3	+ 0·9	23	− 2	0	− 7	2	− 3	0·11	− 0·51	10	− 4	17	− 7

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 7 Weeks, December 2nd, 1906, to January 19th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	93	+ 38	238	+ 26	40	+ 5	9·72	+ 0·91	22	− 15	7	− 5
Eastern																		
1. SCOTLAND, EAST	58	7	*	*	*	*	92	+ 39	272	+ 24	24	− 4	3·17	− 1·15	61	+ 7	18	+ 2
2. ENGLAND, N.E.	56	17	*	*	*	*	63	+ 1	236	+ 22	22	− 3	2·57	− 0·68	86	+ 33	24	+ 9
3. ENGLAND, EAST	56	14	*	*	*	*	51	− 14	255	+ 9	22	− 4	3·02	− 0·05	85	+ 20	23	+ 5
4. MIDLAND COUNTIES	57	14	*	*	*	*	70	− 5	229	− 24	22	− 4	2·82	− 0·71	76	+ 14	20	+ 4
5. ENGLAND, SOUTH	56	3	*	*	*	*	78	− 25	186	+ 2	23	− 2	2·75	− 1·18	90	+ 18	23	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	90	+ 7	169	+ 1	32	+ 2	6·72	− 1·43	41	− 9	12	− 3
7. ENGLAND, N.W.	57	14	*	*	*	*	83	0	155	− 19	31	+ 3	4·59	− 0·43	59	+ 9	16	+ 3
8. ENGLAND, S.W.	56	13	*	*	*	*	99	− 34	137	+ 4	28	− 1	4·66	− 1·70	78	+ 1	20	0
9. IRELAND, NORTH	56	8	*	*	*	*	110	+ 10	126	− 25	34	0	5·00	− 0·76	49	− 12	14	− 3
10. IRELAND, SOUTH	57	11	*	*	*	*	152	− 2	111	− 9	30	− 1	3·79	− 3·08	56	− 26	15	− 5
11. CHANNEL ISLANDS	56	28	*	*	*	*	179	− 29	28	− 15	33	0	4·20	− 1·64	81	− 10	20	− 2

THE YEAR.—Aggregates, &c., for the period of 3 Weeks, December 30th, 1906, to January 19th, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	39	+ 20	79	− 20	16	+ 1	4·25	+ 0·92	13	− 3	9	− 2
Eastern																		
1. SCOTLAND, EAST	56	7	*	*	*	*	37	+ 17	104	− 10	8	− 3	0·98	− 0·66	29	+ 4	20	+ 3
2. ENGLAND, N.E.	52	17	*	*	*	*	31	+ 10	76	− 28	5	− 6	0·47	− 0·81	45	+ 22	29	+14
3. ENGLAND, EAST	52	15	*	*	*	*	21	− 2	84	− 36	6	− 5	1·06	− 0·17	42	+ 12	26	+ 7
4. MIDLAND COUNTIES	53	14	*	*	*	*	34	+ 6	77	− 42	6	− 5	0·78	− 0·64	29	+ 2	18	+ 1
5. ENGLAND, SOUTH	52	16	*	*	*	*	44	+ 10	50	− 42	6	− 5	1·11	− 0·42	38	+ 7	23	+ 4
Western																		
6. SCOTLAND, WEST	53	21	*	*	*	*	39	+ 10	41	− 40	13	0	2·28	− 0·94	10	− 13	7	− 8
7. ENGLAND, N.W.	53	20	*	*	*	*	38	+ 10	44	− 41	12	0	1·25	− 0·72	22	− 1	14	0
8. ENGLAND, S.W.	54	13	*	*	*	*	47	− 2	44	− 22	12	0	1·65	− 0·85	28	− 6	17	− 3
9. IRELAND, NORTH	53	19	*	*	*	*	49	+ 11	38	− 34	14	0	1·53	− 0·80	16	− 11	10	− 7
10. IRELAND, SOUTH	56	11	*	*	*	*	76	+ 16	39	− 15	11	− 2	1·17	− 1·06	19	− 14	12	− 8
11. ENGLISH CHANNEL	53	32	*	*	*	*	82	+ 7	3	− 22	12	− 2	1·37	− 0·84	35	− 6	20	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

January 13-19, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	48	36	45·3	40·0	42·8	+ 3·7	14	6	5	0·43	− 0·47	11·9	+ 5·6	25	+ 12
	Stornoway	49	40	46·7	41·7	44·3	+ 5·5	17	1	5	0·43	− 0·75	1·5	− 5·1	3	− 11
0. SCOTLAND, N. — Mainland.	Wick	51	30	47·6	36·4	42·2	+ 4·3	25	16	3	0·08	− 0·45	*	*	*	*
	†Lairg (Strathpeffer)	50	20	44·8	33·2	39·2	+ 3·7	8	34	4	0·48	− 0·29	10·7	+ 3·0	21	+ 6
	Glenearron	47	26	44·8	36·7	40·9	+ 3·6	8	22	4	3·16	+ 0·87	*	*	*	*
	Fort Augustus	49	32	46·6	38·8	42·9	+ 4·6	20	9	4	0·60	− 0·66	3·1	− 0·9	6	− 2
	Fort William	48	29	46·2	39·8	43·1	+ 4·2	17	6	4	1·51	− 0·54	*	*	*	*
1. SCOTLAND, E.	Nairn	50	25	47·0	37·3	42·3	+ 4·7	22	13	3	0·11	− 0·32	21·9	—	44	—
	Aberdeen	52	29	46·1	35·4	41·0	+ 3·3	11	28	2	0·02	− 0·47	15·1	+ 3·7	30	+ 7
	†Balmoral (Crathes)	48	27	45·4	35·2	40·5	+ 6·0	10	28	0	0·00	− 0·67	22·0	—	43	—
	†Clathick (Balruddery)	56	27	47·4	38·1	42·9	+ 6·0	23	11	3	0·09	− 0·92	7·2	—	14	—
	†Leith (Edinburgh)	50	27	46·3	38·9	42·8	+ 3·7	19	9	0	0·00	− 0·40	2·2	− 4·8	4	− 9
	Marchmont	49	24	44·9	31·4	39·9	+ 3·4	8	30	0	0·00	− 0·55	10·5	+ 0·2	20	0
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	50	22	44·8	37·3	41·2	+ 3·2	8	19	0	0·00	− 0·47	16·3	—	31	—
	†Shields (Newcastle)	51	27	46·7	36·6	41·9	+ 3·2	13	24	0	0·00	− 0·36	11·4	+ 5·1	21	+ 9
	Durham	52	24	44·6	35·1	40·0	+ 3·0	7	27	0	0·00	− 0·42	22·9	+ 12·0	42	+ 24
	Scarborough	51	33	47·1	38·6	43·0	+ 4·4	21	10	0	0·00	− 0·43	25·6	—	47	—
	York	49	27	45·2	36·1	40·8	+ 3·0	9	24	0	‡ 0·01	− 0·37	13·8	+ 6·8	25	+ 12
2. ENGLAND, N.E. — Southern part.	†Spurn Head (Saltburn)	45	36	43·6	39·1	41·4	+ 2·9	4	12	0	0·00	− 0·28	—	—	—	—
	†Lincoln (Skegness)	50	26	44·7	35·5	40·3	+ 3·4	8	26	0	0·00	− 0·37	27·6	—	50	—
	†Fulbeck (Rauceby)	46	27	43·6	36·5	40·2	+ 3·7	4	21	0	‡ 0·01	− 0·36	18·6	—	33	—
3. ENGLAND, E. — Northern part.	Hillington	49	29	45·3	36·2	40·9	+ 3·8	9	24	0	0·00	− 0·45	20·5	+ 9·5	37	+ 17
	†Yarmouth (Lowestoft)	47	31	43·6	37·4	40·6	+ 2·9	4	18	1	0·02	− 0·35	17·8	—	32	—
	Geldeston	51	25	47·5	35·7	41·8	+ 3·6	15	27	0	‡ 0·01	− 0·34	20·3	+ 7·8	36	+ 14
	(Cromer)												27·9	—	50	—
3. ENGLAND, E. — Southern part.	Cambridge	49	25	45·6	35·4	40·7	+ 3·0	10	27	0	0·00	− 0·33	14·5	+ 2·6	26	+ 5
	Felixstowe	49	33	45·2	37·1	41·3	+ 2·7	9	29	0	0·00	—	19·5	—	34	—
	Clacton-on-Sea	48	35	44·9	38·1	41·6	+ 3·2	8	16	0	0·00	—	18·6	—	33	—
	Rothamsted	48	25	43·0	36·0	39·6	+ 2·3	3	22	0	‡ 0·02	− 0·48	4·9	− 6·1	9	− 11
	†Shoeburyness (Southend)	48	30	44·4	37·4	41·0	+ 2·5	7	18	2	0·04	− 0·28	14·0	—	25	—
	London, Westminster	50	33	45·3	40·6	43·0	+ 3·6	13	4	0	0·00	− 0·42	4·2	− 0·4	7	− 1
	(Dunmow)												14·5	—	25	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	48	26	44·3	37·3	40·9	+ 3·7	6	19	0	‡ 0·01	− 0·49	14·9	—	27	—
	†Bawtry (Worksop)												14·2	+ 5·7	26	+ 10
	Nottingham	48	23	45·1	34·7	40·1	+ 2·4	9	29	1	0·01	− 0·41	8·5	—	15	—
	Colly Weston	48	24	44·4	34·9	39·8	+ 2·8	7	28	1	0·01	− 0·35	*	*	*	*
	Birmingham, Edgbaston	48	30	44·2	38·1	41·3	+ 3·2	6	16	0	0·00	− 0·45	8·0	—	14	—
	Oxford	49	26	44·7	37·1	41·1	+ 2·5	8	20	0	‡ 0·01	− 0·43	9·1	− 1·9	16	− 3
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)												15·1	—	28	—
	Shrewsbury	50	25	45·9	35·3	40·8	+ 2·6	11	28	0	0·00	—	*	*	*	*
	Hereford	51	25	44·1	36·1	40·3	+ 1·7	6	24	0	0·00	− 0·52	*	*	*	*
	Cirencester	48	28	42·6	35·9	39·4	+ 1·3	2	23	0	‡ 0·01	− 0·56	8·0	− 3·0	14	− 5
	Bath	49	30	46·1	38·1	42·3	+ 2·6	18	11	1	0·02	− 0·55	9·2	—	16	—
	(Margate												17·2	+ 6·4	30	+ 11
5. ENGLAND, S	Kew	49	30	44·4	38·6	41·6	+ 2·8	7	14	0	‡ 0·02	− 0·39	7·2	− 2·4	13	− 4
	Wisley, Surrey	48	23	42·8	37·0	40·0	+ 1·8	2	19	0	0·00	—	7·5	—	13	—
	†Swarraton (Ventnor)	48	29	44·5	37·3	41·0	+ 3·3	7	19	0	‡ 0·01	− 0·61	10·7	− 2·6	18	− 5
	Tunbridge Wells	47	31	44·5	37·9	41·3	+ 3·6	7	17	0	‡ 0·02	− 0·56	17·5	+ 6·7	30	+ 12
	†Dungeness (Littlestone)	48	36	45·9	40·4	43·3	+ 3·8	16	4	0	0·00	− 0·43	21·1	—	36	—
	Hastings	49	36	47·0	40·1	43·7	+ 4·2	20	5	0	0·00	− 0·56	21·3	+ 7·6	37	+ 13
	Southampton	52	32	47·6	40·4	44·1	+ 4·2	21	4	0	0·00	− 0·64	10·5	− 1·2	18	− 2
	†Portland Bill (Worthing)	48	42	47·0	44·4	45·8	+ 5·3	27	0	0	0·00	—	14·9	—	26	—
	(Eastbourne)												16·8	+ 3·8	29	+ 7
6. SCOTLAND, W.	†Laudale (Oban)	50	41	48·2	42·8	45·6	+ 5·3	25	0	4	1·35	− 0·52	0·8	—	2	—
	Glasgow	48	35	45·7	41·3	43·6	+ 4·9	14	2	2	0·04	− 0·79	0·1	− 5·2	0	− 10
	Dumfries	49	36	45·5	40·0	42·9	+ 3·8	15	6	1	0·01	− 0·97	*	*	*	*
	Cally	51	32	47·7	38·8	43·4	+ 5·0	23	9	2	0·12	− 0·93	*	*	*	*
	Douglas, Isle of Man	50	40	47·1	42·7	45·0	+ 4·3	21	0	2	0·03	− 0·87	5·4	− 5·8	10	− 11
7. ENGLAND, N.W.	Aspatria	49	31	45·2	38·4	41·9	+ 4·4	9	16	2	0·10	− 0·55	12·6	—	23	—
	Newton Rigg	48	30	44·6	36·8	40·9	+ 4·0	7	21	0	0·00	− 0·76	16·0	+ 7·0	30	+ 13
	Stonyhurst	46	31	43·6	38·3	41·1	+ 3·4	4	15	4	0·16	− 0·77	4·8	− 3·2	9	− 6
	Blackpool	47	32	44·2	39·2	41·8	+ 3·3	6	12	2	0·02	− 0·60	8·0	− 0·7	15	− 1
	Manchester, Prestwich	48	32	44·5	38·6	41·7	+ 3·6	7	15	3	0·21	− 0·49	5·5	+ 0·7	10	+ 1
	†Liverpool Obs. (Hoylake)	47	32	44·3	39·1	41·8	+ 2·3	6	12	3	0·03	− 0·44	13·3	—	24	—
	†Hawarden Bridge (Southport)	49	32	46·6	39·7	43·3	+ 2·8	19	6	0	0·00	− 0·37	7·4	—	14	—
NORTH WALES	Llandudno	49	33	46·4	39·8	43·2	+ 1·7	18	6	1	0·07	− 0·51	15·3	+ 4·5	28	+ 8
	†Holyhead (Aberdovey)	49	38	46·1	41·4	43·8	+ 2·0	15	2	1	0·04	− 0·66	8·4	—	15	—
	Bettws-y-Coed	50	28	46·4	38·3	42·5	+ 2·1	19	10	1	0·02	—	8·7	—	16	—
8. SOUTH WALES	Llangammarch Wells	46	26	43·9	36·2	40·2	+ 3·4	5	23	2	0·07	—	5·2	—	9	—
	Pembroke	49	41	47·4	43·1	45·3	+ 2·7	23	0	3	0·08	− 0·72	5·9	− 6·6	10	− 12
	†Cardiff (Aberystwyth)	48	32	45·2	38·7	42·1	+ 1·6	15	9	3	0·06	− 0·89	8·0	—	14	—
8. ENGLAND, S.W.	†Clifton (Torquay)	48	31	45·2	38·9	42·2	+ 2·4	14	9	1	0·02	− 0·65	11·7	− 1·7	20	− 3
	†Shaftesbury (Marlborough)	46	34	43·1	38·8	41·0	+ 3·4	3	12	0	0·00	− 0·63	4·1	− 5·4	7	− 10
	†Arlington (Newquay)	48	33	45·3	40·0	42·8	+ 2·7	14	6	2	0·13	− 0·87	7·4	− 4·9	13	− 8
	Cullompton	50	29	46·5	38·5	42·7	+ 2·8	20	10	1	0·02	− 0·74	6·7	− 4·9	12	− 7
	Plymouth	50	40	47·5	43·0	45·3	+ 3·2	23	0	2	0·06	− 0·76	9·1	− 2·5	15	− 4
	Falmouth	49	43	47·1	44·1	45·7	+ 2·2	26	0	1	0·02	− 1·05	9·3	− 4·1	16	− 7
9. IRELAND, N. — Western part.	Malin Head	48	41	46·0	43·0	44·6	+ 3·1	18	0	2	0·02	− 0·58	*	*	*	*
	Edenfel	47	40	44·7	40·7	42·8	+ 4·7	11	4	3	0·17	− 0·63	*	*	*	*
	Blacksod Point	50	45	48·9	45·4	47·2	+ 4·3	36	0	5	0·35	− 0·77	*	*	*	*
	Markree Castle	49	41	47·4	42·5	45·1	+ 5·3	22	0	1	0·14	− 0·72	3·2	− 6·5	6	− 12
9. IRELAND, N. — Eastern part.	Armagh	49	38	46·5	41·5	44·1	+ 4·9	17	1	1	0·01	− 0·60	6·3	− 4·4	12	− 8
	Donaghadee	50	38	46·6	40·9	43·9	+ 3·2	18	3	0	0·00	− 0·61	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	51	35	49·1	42·6	46·0	+ 4·3	28	0	0	0·00	− 0·51	13·9	+ 0·5	25	+ 1
	Kilkenny	48	43	46·9	43·5	45·3	+ 4·4	23	0	1	0·05	− 0·72	*	*	*	*
	Waterford	50	43	48·0	44·1	46·1	+ 5·0	29	0	1	0·05	− 0·88	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	49	40	47·9	41·4	44·8	+ 4·9	22	2	3	0·08	− 0·58	0·1	− 11·4	0	− 20
	Foynes	49	41	48·9	43·3	45·7	+ 4·1	26	0	3	0·08	− 0·76	*	*	*	*
	Killarney	51	44	48·9	44·6	46·8	+ 3·6	34	0	2	0·31	− 1·11	*	*	*	*
	Valencia	50	45	49·3	45·6	47·5	+ 2·8	39	0	4	0·55	− 0·80	0·1	− 11·4	0	− 20
	†Roches Point (Ballinacurra)	49	44	47·9	45·3	46·7	+ 3·2	33	0	4	0·16	− 0·97		—		—
11. ENGLISH CHANNEL	Scilly, St. Mary's	50	44	48·9	45·3	47·2	+ 1·4	36	0	2	0·03	− 0·74	8·5	− 5·2	14	− 9
	†Jersey, St. Aubins (St. Heliers)	51	37	46·4	41·7	44·1	+ 1·5	16	1	3	0·18	− 0·52	10·8	− 1·1	18	− 2
	Guernsey	49	39	46·5	42·8	44·7	+ 1·3	19	0	2	0·13	− 0·67	10·8	− 4·8	18	− 8

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Wet fog, dew, or mist.

Additional Sunshine Totals for the week: Ramsgate, 23·6 hrs., 41 %; Brighton, 15·2 hrs. (+ 3·0), 26 % (+ 5 %); Bournemouth, 7·1 hrs., 12 %; Bognor, 14·9 hrs., 26 %; Rhyl, 15·4 hrs., 28 %; Tenby, 6·6 hrs. (− 6·8), 12 % (− 12 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	6	18	35·0	37·8
	Marchmont ..	—	—	38·3	—
	— — ..				
2.	Cockle Park	2	20	39·3	40·2
	York	—	—	39·9	42·0
	Hull	6	19	37·9	41·0
	Lincoln	—	—	38·0	41·4
3.	Cambridge	6	20	40·0	43·1
	Dunmow	3	21	—	—
	Clacton-on-Sea ..	1	30	41·4	44·5
4.	Harrogate	2	21	40·1	41·0
	Sheffield	2	22	39·4	41·9
	— — ..				
	Birmingham	2	20	42·1	44·9
	Nottingham	3	20	38·9	40·7
	— — ..				
5.	Kew	2	19	40·7	43·8
	Canterbury	3	24	40·9	43·8
	Portsmouth	1	29	43·0	45·8
	Wisley	—	—	40·9	43·8
6.	— — ..				
	Glasgow	1	27	—	—
	— — ..				
7.	Newton Rigg ..	3	19	40·5	41·5
	Southport	2	23	40·7	42·1
	Bettws-y-Coed ..	2	27	41·9	44·0
	Manchester City ..	0	31	41·0	42·5
	— — ..				
8.	Llangammarch Wells	2	19	42·0	44·5
	Bath	—	—	42·4	45·9
	Plymouth	0	31	43·9	—
	— — ..				
9.	Armagh	0	35	42·6	44·2
	Markree Castle ..	0	36	—	—
10.	Dublin, Trin. Coll. ..	1	26	43·5	44·5
11.	Guernsey, Brooklyn	0	34	44·8	47·0

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	44	44·6
	Kirkwall	44	42	43·2
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	43	40	41·8
	Pennan Bay	42	40	41·2
	Aberdeen, Cove Bay ..	40	40	40·0
ENGLAND, N.E.	Burnmouth, Berwick ..	42	40	41·5
	Scarborough	46	40	41·9
ENGLAND, E.	Shipwash Lightship ..	45	40	40·6
ENGLAND, S.E.	Eastbourne‡	43	42	42·7
SCOTLAND, W.	Lamlash	47	46	46·4
	Ballantrae	45	44	44·8
ENGLAND, N.W.	Port Erin	50	47	47·9
ENGLAND, S.W.	Newquay	47	45	46·0
	Plymouth‡	48	48	48·1
	Salcombe	49	48	48·1
IRELAND, N.W.	Sheephaven	46	46	46·0
	Ballyglass	48	45	47·0
IRELAND, S.W.	Cleggan	48	44	46·5
	Seafield	47	44	45·8
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

NOTES ON THE DISTRIBUTION OF TEMPERATURE DURING THE WEEK.

The distribution of atmospheric pressure over north-western Europe during the week under review in the current report was of a very common type. A high pressure system, which covered France and the Bay of Biscay at the beginning of the week, gradually extended north-eastward, while to the North of the British Isles there was a moderate gradient for Westerly or South-westerly wind throughout the period.

In spite of the fact that the conditions over the British Isles were anticyclonic rather than cyclonic, the bright weather usually associated with an anticyclone was conspicuous by its absence during the early part of the week, though the extremely small rainfall is no doubt a feature which is typical of this pressure distribution. An extensive layer of cloud covered the whole country; the amounts of sunshine recorded on the four days Monday, Tuesday, Wednesday and Thursday were exceedingly small in almost all localities.

The kite ascents of which details are given on p. 24, show some interesting points in connexion with the cloud layer. Ascents were obtained at Petersfield, Pyrton Hill and Brighton on Monday, Jan. 14th. At all these places the lower surface of the cloud was reached at about 2,500 feet above sea level. At a short distance above the 4,000 feet level, a marked inversion of temperature was met with at Petersfield and Pyrton Hill. The kites entered a layer of air in which the temperature was considerably higher (by 15° at Petersfield and by 9° at Pyrton Hill) than in the layer just left, while the humidity fell from saturation to 40% or 50%. It is thus clear that the upper surface of the cloud layer must have been at this level. At Brighton the 4,000 feet level was not reached. In ascent carried out at Petersfield on Jan. 18th, the lower surface of the cloud was again reached at about 2,500 feet. We have unfortunately no upper air records for the other days of the week, probably there was not enough wind to raise a kite.

With the surface of the earth thus effectively "blanketted" by clouds, the diurnal variation of temperature was almost reduced to zero, and great uniformity of temperature established itself over the whole country. In London the temperature for four whole days remained between the limits 47° and 43°. Over England as a whole the greatest uniformity was attained on Wednesday, a day on which the only stations at which more than a few minutes of sunshine were recorded were those in the extreme north and north-east. The temperatures recorded on this day were almost all between the limits 47° and 41°, and at the majority of stations the daily range was only two or three degrees. The readings were on the whole slightly higher in the West than in the East.

When these air temperatures are compared with the sea temperatures quoted in Table V. on p. 20, it is interesting to note that the mean temperature of the air was intermediate between the mean temperature of the sea on our west coast and its temperature on the east coast. The temperature of the water seems thus to have been the controlling factor in the temperature over the land. In this connexion it may be mentioned that the wind during the early days of the week was from the Westward.

As our Table IV. shows, the temperature of the earth at depth of one foot and four feet also approximated tolerably closely to the temperature of air and sea. The means for the week at a depth of one foot were generally 1° or 2° higher that the corresponding figures for last week.

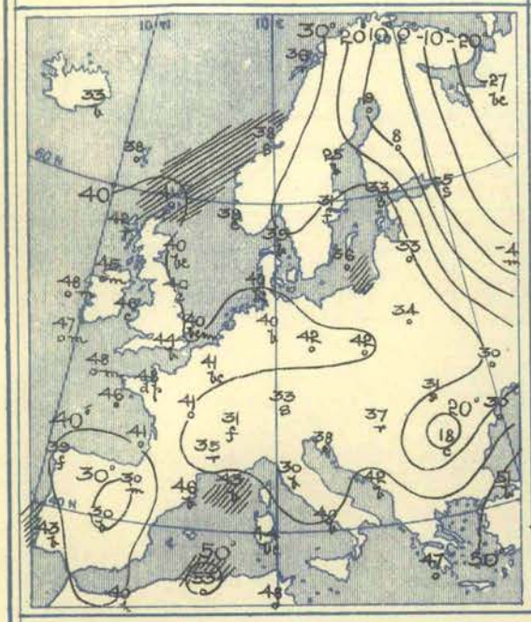
On the evening of Thursday the cloud layer began to disperse and radiation effects again became noticeable. The temperature on Friday was much more irregular than on the previous day, as the day was a very sunny one in many places. The night from Friday to Saturday was generally cloudless and a brisk fall of temperature occurred. The minima on the grass recorded on Saturday morning were frequently as low as 20°.

There was much surface fog over the inland districts and on the east coast on Saturday morning, but in most places dispersed in the course of the day and several hours sunshine were recorded in most places.

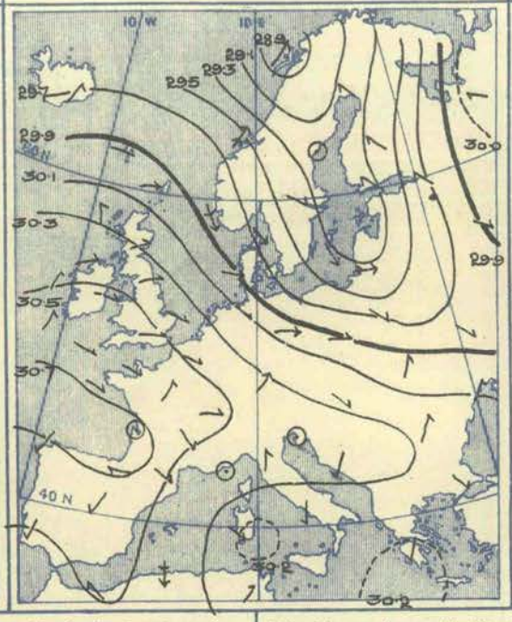
While the British Isles were under the influence of the anticyclone, fresh South-Westerly winds were blowing over part of the northern Atlantic Ocean, between Scotland and Iceland. A plentiful supply of warm air was thus carried towards the latter island with the result that on several occasions in the course of the week the highest 8 a.m. temperature recorded in the Daily Weather Report (the Azore station excepted) was to be found at Seydisfjord.

Sunday, 13th January, 1907.

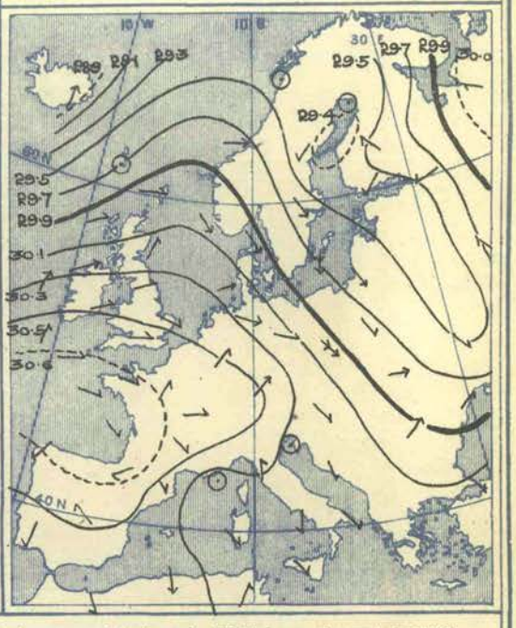
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of these Islands, the Low Countries, Denmark, Sweden, and the southern portion of our area. Cloudy or overcast elsewhere, with rain at Lyons, Birr Castle, and Stornoway, and rain or snow in Norway. Continuing fine and dry over our area as a whole, but some snow falling in a few places in central Europe, and rain at Palermo and Malta.

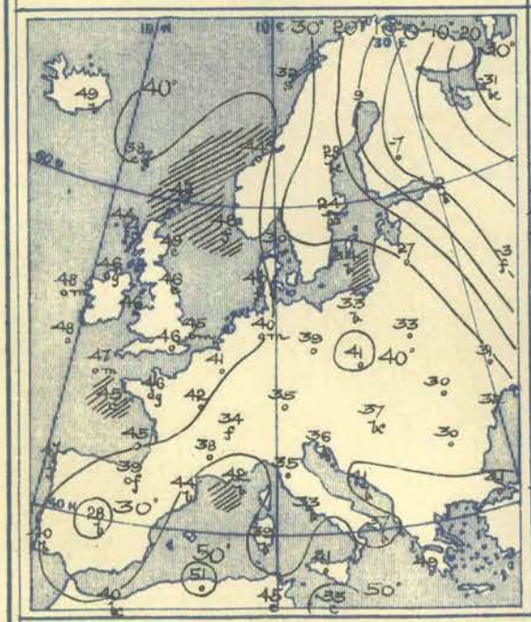
Temperature risen over the central countries, Sweden, and most of Russia, fallen in our Islands, Italy, and the north of Russia. Readings in morning above 32° generally except in Sweden and Russia. Below zero over a considerable portion of the latter country, and as low as -27° at Archangel. Thermometer between 45° and 48° at our own south-western stations and 53° at Algiers. No higher than 40° over Italy. Maxima during day below 40° over the central regions of Europe, and below 50° in some parts of Italy and France. Thermometer rising to about 60° on the coast of Algeria, and to 50° at a few of our own stations.

Wind in morning mainly Westerly over our Islands, and of little force. Strong to a gale from West and North-West over Norway, Denmark, and the Baltic, and light from the Southward over Finland. A cyclonic circulation shown over the Mediterranean; Northerly wind reported to be blowing a gale at Algiers. No decided change later.

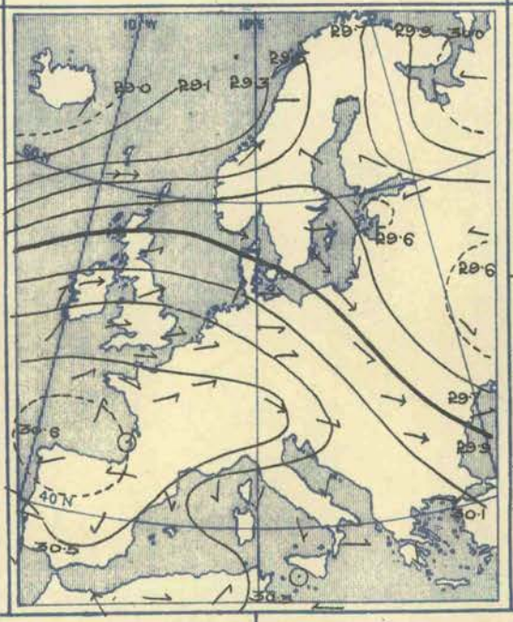
Barometer in morning ranging from above 30·7 ins. over the Bay of Biscay and the adjacent part of the Continent to below 28·9 ins. in a deep depression having its centre to the northward of Bodö. Anticyclone giving way slightly during day, and a fresh fall of the barometer setting in over Iceland. Depression near Bodö disappearing by evening, and gradients becoming less steep over northern Europe.

Monday, 14th January, 1907.

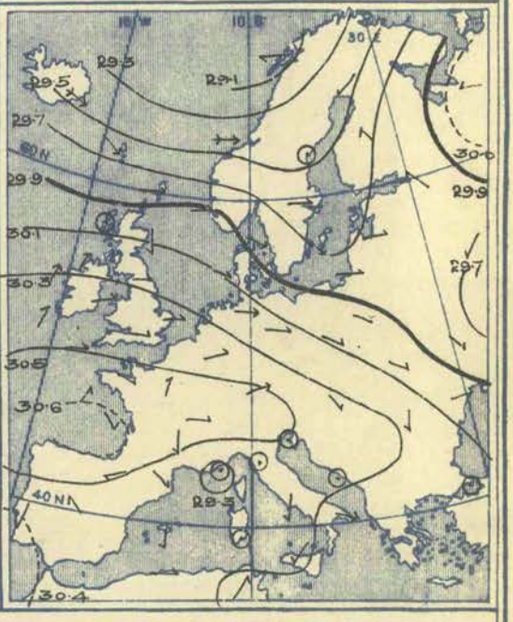
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of Sweden and in many regions in the south of our area, but cloudy or entirely overcast generally, with rain in the north of Scotland and also at Aumale, and snow at Bodö. Some rain experienced later at Jersey and over North Germany, and rain or snow over South Germany and Russia. Conditions continuing dry as a whole.

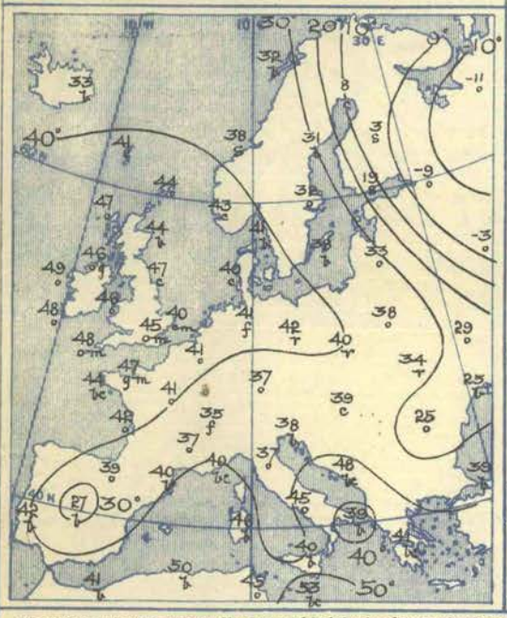
Temperature risen at most of our own stations, fallen over the greater part of Russia, changed rather irregularly elsewhere. Readings in morning as low as -31° at Archangel, and below zero over a large portion of Russia, above the freezing point over Europe as a whole, and not much below 50° in many of our own districts. Rising during day to nearly 60° in Algeria and at Barcelona, to above 50° in many other Mediterranean regions, and to between 48° and 50° over most of the United Kingdom. Intense frost continuing in the east and north-east of our area.

Wind in morning circulating anticyclonically over all the south-western portion of our area; cyclonic elsewhere. Westerly current blowing a gale at Thorshavn, and a gale from North-West prevailing at Wisby. A whole gale from West North-West setting in at Seydisfjord by evening and a strong gale from West at Christiansund.

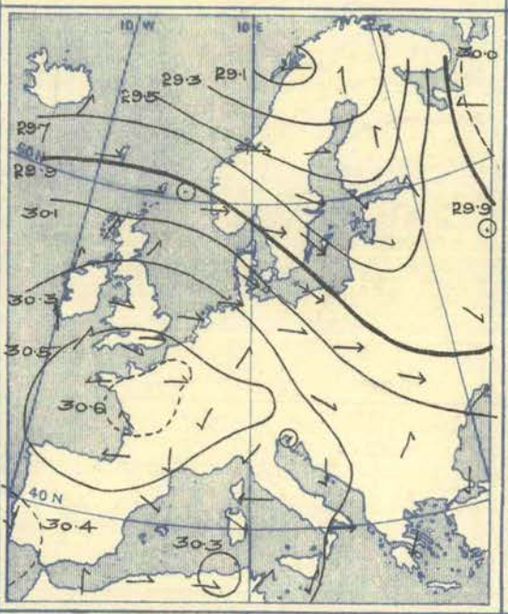
Barometer in morning above 30·6 ins. in a very extensive anticyclone having its centre over the Bay of Biscay. Below 29·6 ins. in a depression over the south of Russia, and below 28·9 ins. over Iceland. Relatively low over the Mediterranean. Northern depression travelling eastwards during day, and barometer rising rapidly in Iceland. Scarcely any change occurring within the region of highest pressure. Russian depression moving slowly eastwards.

Tuesday, 15th January, 1907.

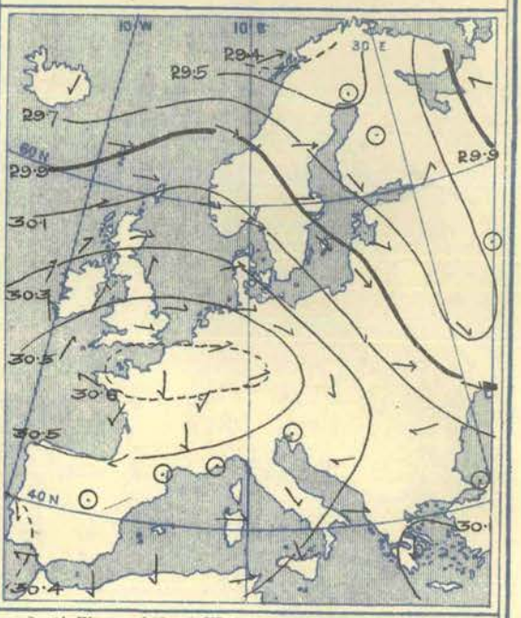
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. generally fine and bright in the south of our area and in a few scattered localities in the north, but overcast as a whole, with snow at Christiansund and over a considerable portion of Finland. Scarcely any precipitation later except in parts of Scandinavia, Russia, and Poland, and some slight local showers over our own western and northern districts. Day very bright in the north-east and east of England.

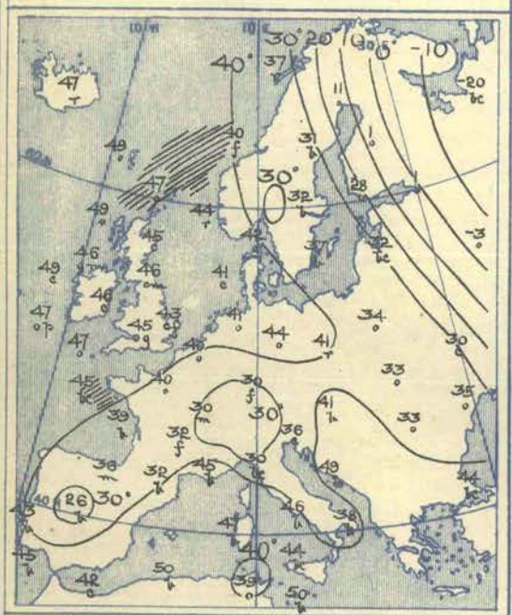
Temperature changed little and rather irregularly as a whole, but risen decidedly at some of the most northern and north-eastern stations. Readings in morning below zero over the north of Russia, and as low as -9° at St. Petersburg and -11° at Archangel. Above the freezing point over Europe generally, above 45° in many parts of these Islands, and as high as 50° at Algiers and 53° at Malta. Maxima much below 32° in the north and north-east of Europe, but about 50° over these Islands, France, and Italy, 60° in the south of Spain, and nearly as high in Algeria.

Wind in morning mostly between South-West and North-West over the northern half of our area; moderate or light as a whole, but fresh in places, and strong to a gale in some parts of Scandinavia and North Germany. Light Southerly to South-Easterly breezes prevailing in Finland and its vicinity. Light or moderate breezes from no general direction prevalent over the Mediterranean region. Gales subsiding by evening, but wind continuing strong over Scandinavia and its vicinity, and increasing to a strong breeze from South South-West on the north-west coast of Ireland.

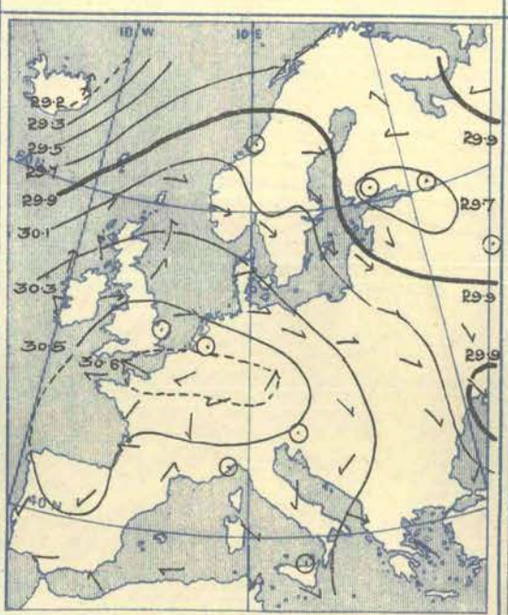
Barometer in morning continuing above 30·6 ins. in a large high pressure system having its centre over France. Lowest readings, 29·1 ins. and less, shown over the far north-west of Norway, and relatively low readings over the Baltic Provinces of Russia and also over the Mediterranean. Northern depression apparently travelling away north-eastwards during day and barometer rising very decidedly in its rear over Norway. A slight increase of pressure taking place within the anticyclonic system.

Wednesday, 16th January, 1907.

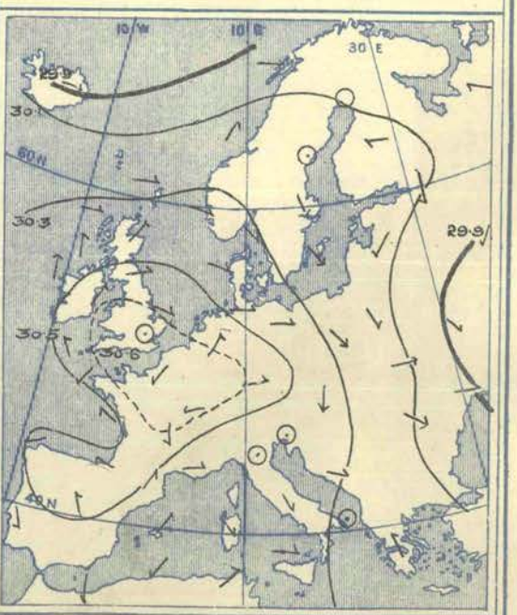
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at a.m. fine and bright all over southern Europe, from Portugal to Turkey, and also on the southern shores of the Mediterranean, cloudy or dull over the British Islands and the major part of the Continent, with showers at Valencia and Pembroke and rain at Bodö and Skudesnaes. Continuing fine all day in the south, and improving somewhat in most parts of our area.

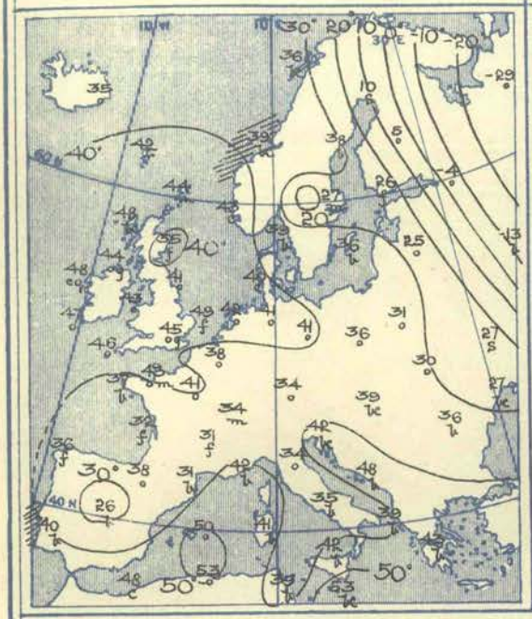
Temperature changing slightly over these Islands, fallen in most parts of southern Europe and northern Africa, risen over the greater part of Russia and Scandinavia. Lowest reading at 8 a.m., -20° at Archangel; about zero over northern Russia generally. Highest 50° at Malta and Algiers, above 40° all over these Islands and the nearer parts of the Continent, as high as 49° from Blacksod Point to Thorshavn (Faroe Islands), and 47° at Seydisfjord (Iceland). Maxima of 50° or 51° during day in most parts of Ireland and Scotland, and nearly 60° in the far south of our area.

Wind in morning light and variable or calm over France and Southern England, but Southerly to South-Westerly over these Islands as a whole, and Westerly to North-Westerly over the whole of northern and eastern Europe. Generally Easterly over the Mediterranean, the Spanish Peninsula and the Bay of Biscay; light or moderate in force in most countries, but strong to a gale in the Faroes and Iceland. Very little change later in day beyond a veering to North-West at the two latter regions.

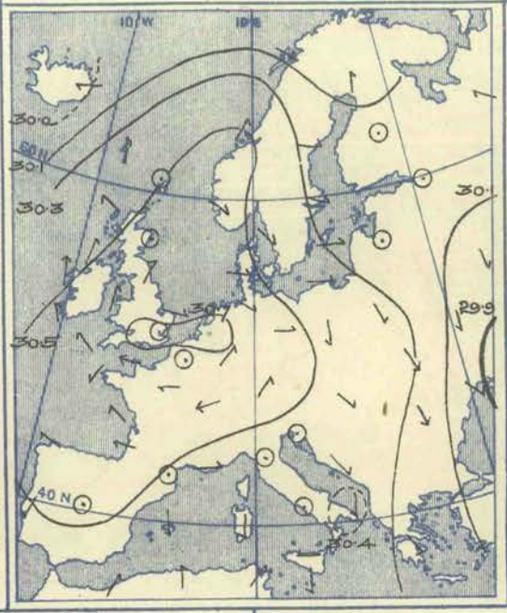
Barometer in morning highest 30·6 ins. and upwards in the central portion of an anticyclone lying over the eastern part of the Channel, the north of France, and Central Germany; lowest below 29·8 ins. over the Crimea, below 29·7 ins. over the Baltic Provinces, and below 29·2 ins. in Iceland. Gradients rather steep between the Shetlands and Iceland, and moderate over the Baltic, slight elsewhere. Icelandic depression moving northwards during day and barometer rising quickly at Seydisfjord; very little change in the distribution over these Islands and the Continent.

Thursday, 17th January, 1907.

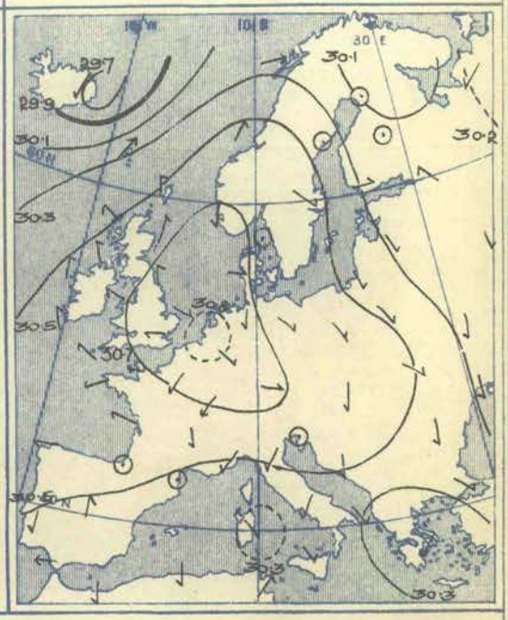
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast as a whole, but fine and bright in various places both over southern and northern Europe. Fog prevailing on our north-east and east coasts, and at Lyons and Rochefort, rain falling at Thorshavn, and snow at Haparanda. Heavy rain experienced later at Horta, but weather continuing very dry over Europe; much sunshine over the south-east of England.

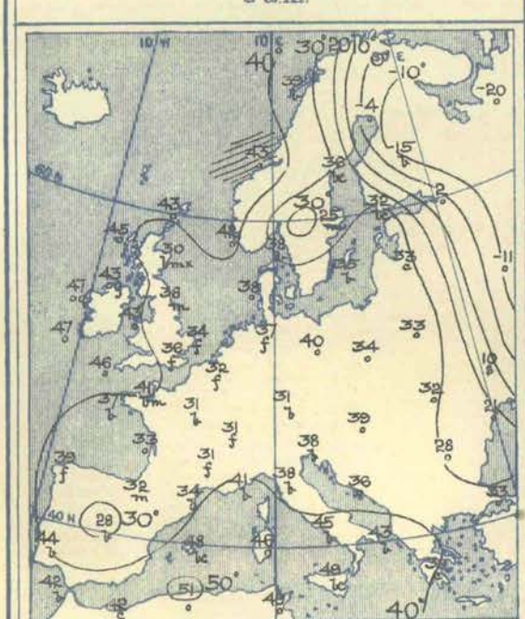
Temperature fallen generally, risen on some shores of the Mediterranean. Readings in morning below –10° over a considerable portion of Russia, and below the freezing point over most of Sweden; above 45° over Ireland and many parts of southern Europe, and as high as 53° at Algiers. Maxima during day about 60° in the far south of our area and nearly 50° in several parts of France and our Islands. Severe frost continuing in the north and east of the Continent.

Wind in morning showing a very extensive anticyclonic circulation over the greater part of our area, and partial cyclonic movements over the Mediterranean and Russia, and also in the north of Scandinavia. Moderate or light generally, but a strong Northerly gale blowing at Athens, and a strong breeze from South at Blacksod Point. Gale at Athens dying out during day, but little change taking place as a whole.

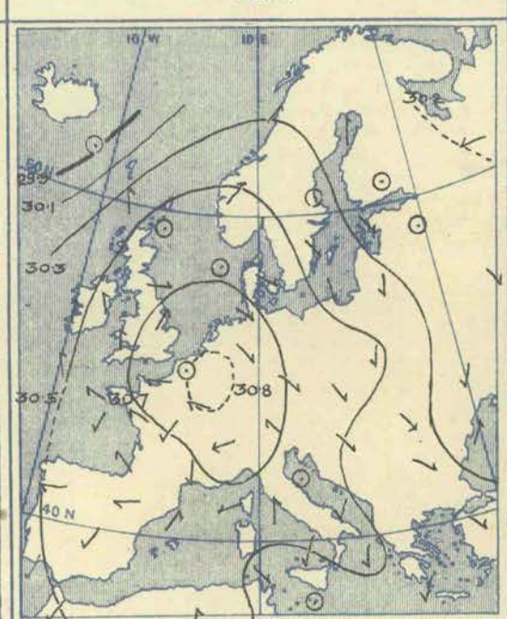
Barometer in morning above 30·7 ins. in a very large high pressure area having its central portion over the south of England and the Low Countries. Below 30·0 ins. in the north of Scandinavia, and less than 29·9 ins. over the south of Russia. Anticyclone increasing still further in intensity during day, but a fresh depression appearing in the Icelandic region. Russian and Scandinavian disturbances both moving eastwards.

Friday, 18th January, 1907.

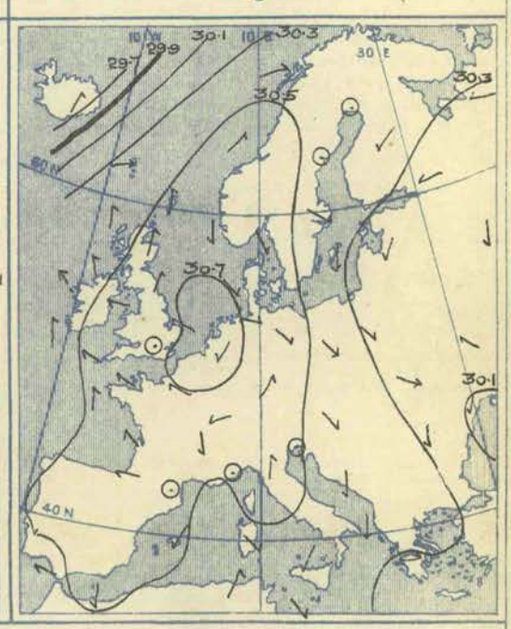
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine in most parts of southern Europe, at many English stations, and in Sweden and Finland. Fog prevailing over the Low Countries, and also in various parts of France and England, and snow at Kieff. Foggy or misty all day in many inland parts of England, but continuous sunshine experienced on most parts of the coast. Scarcely any rain or snow falling in any part of our area.

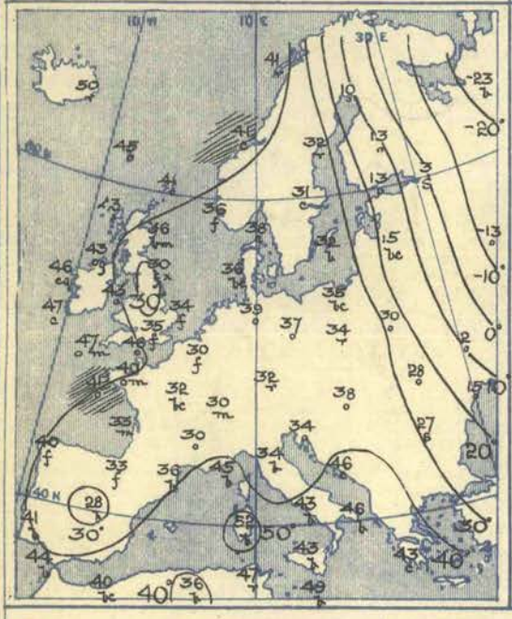
Temperature fallen decidedly over Great Britain and the nearer parts of the Continent. Changed rather irregularly elsewhere. Readings in morning 26° or 27° over the English midlands, and below 32° over the inland parts of France and at Madrid. Much below zero in the north-east of Europe, and as low as –20° at Archangel. Thermometer above 45° in the west of Ireland and at many stations in the south of our area. Thermometer rising to nearly 50° in many parts of England and Ireland during day, to above 50° on several shores of the Mediterranean, and to 59° at some of the most southern stations.

Wind in morning showing a vast anticyclonic movement of very little force around the Netherlands. No general change in the direction occurring during day, but some increase in force taking place on our own western coasts, and on the shores of the Baltic.

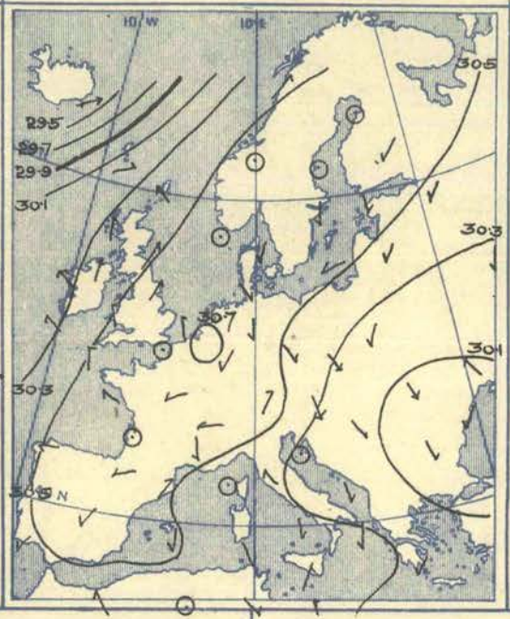
Barometer at 8 a.m. ranging from above 30·8 ins. in Holland to 30·1 ins. at Kharkoff, and to 29·84 ins. at Seydisfjord. Pressure giving way somewhat later over the Netherlands, as well as over the southern half of our area generally, and in Iceland, but rising in the far north and north-east of Europe. General distribution undergoing little change.

Saturday, 19th January, 1907.

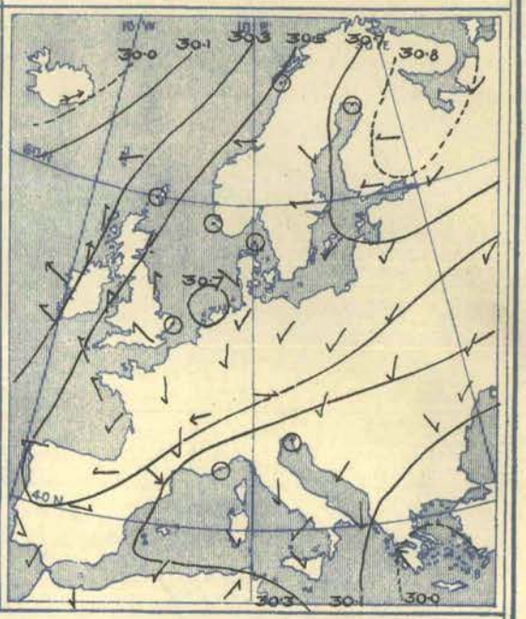
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of southern Europe, at some Scotch stations, and at a few of those on the southern shores of the Baltic. Foggy or misty over the greater part of England, cloudy or overcast over our area generally, with rain at Seydisfjord, Bodö, Breslau, Munich, Buda-Pesth, and La Calle, and snow at St. Petersburg. Weather continuing very dry generally, but 0·4 in. of rain, accompanied by thunder, experienced on the south-west coast of Ireland, and rather heavy snow at Lemberg.

Temperature fallen in most places, but changed rather irregularly. Readings in morning ranging from -23° at Archangel and from below zero over Russia generally, to a little below or slightly above the freezing point over our area as a whole, to 47° on our extreme south-west coasts, and to 52° at Cagliari. Severe frost throughout the day in the north-east of our area, and thermometer not touching 32° at some places in Central Europe and only rising to 35° at Nottingham. Maxima above 55° at a few stations in the far south.

Wind in morning moderate from the Southward or South-Eastward over the west and north of our Islands and moderate to strong from some Northerly point over the more eastern countries. A whole gale from West-South-West prevailing at Seydisfjord. An increase in the force of the wind taking place later on several shores of the Mediterranean and Adriatic; a North-Easterly gale springing up at Lesina.

Barometer in morning as high as 30·7 ins. over the Netherlands and above 30·6 ins. in a very extensive area stretching from France to the north of Sweden. Below 30·1 ins. in the south-east of our area, and below 29·5 ins. over Iceland. Gradients steep between the Faröes and Iceland. A decided rise of the barometer occurring later in the latter region, but a slight fall taking place on our north and west coasts, and a considerable fall over Italy and its vicinity. Pressure increasing briskly in the north-east of our area, and barometer becoming highest in that region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟿ = a heavy gale; ⟿ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 2.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Ground Level.	1,660 500	3,320 1,000	5,000 1,500	6,660 2,000	8,320 2,500	10,000 3,000	Remarks.
1907.		Feet / Metres								
January 14th, 10.58 a.m. to noon.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	44°	38°	32°					One 9 ft. kite; 6,030 ft. wire. Max. height, 4,550 ft. Inversion at 4,300 ft., 30° to 45°, and 100% to 40%; clouds strato cumulus, lower surface, 2,800 ft.; upper surface, about 4,300 ft. Wind probably increasing considerably above inversion surface, but anemometer pen failed.
		Humidity	80%	90%	100%					
		Wind Velocity, m. per hr.	W by S, 20	W by N, 25	W ¼ N, 31					
January 14th, 10.0 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	41°	33°	26°					One kite, 77 sq. ft.; 5,000 ft. wire. Max. height, 4,200 ft. Overcast. Cloud level, 2,400 ft. Sharp inversion at 4,100 ft., 24° to 30°, and 100% to 50%, without change of wind velocity or direction. It seems probable from the chart that a far greater change of temperature and humidity would have been shown had the kite gone higher.
		Humidity	80%	90%	100%					
		Wind Velocity, m. per hr.	WSW, 15	W, 30	W by N, 35					
January 14th, 10.25 a.m. to 12.25 p.m.	Brighton, 380 ft.	Temperature F.	43°	37°	[32°]					One kite, 50 sq. ft.; 6,750 ft. wire. Max. height, 3,100 ft. Cloud level, 2,800 ft. Overcast.
		Humidity	85%	95%	[100%]					
		Wind Velocity, m. per hr.	W by N, —	—, 25	[WNW, 28]					
January 18th, 10.18 a.m. to 12.45 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	43°	34°					One kite, 77 sq. ft.; 6,800 ft. wire. Max. height, 4,100 ft. Perfectly clear day with surface layer about 2,000 ft. of London smoke. Inversion on the first 500 ft. above the ground at 10.20 a.m., 38° to 45°.
		Humidity	80%	50%	85%					
		Wind Velocity, m. per hr.	ESE, 10	SE, 28	SE, 30					
January 18th, 11.38 a.m. to 12.11 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—						Two pilot balloon ascents; uniform ascensional velocity of 300 ft. per minute assumed; wind veering with height up to 1,000 ft. owing probably to configuration of ground; both balloons lost sight of at about 2,500 ft., with wind SE, 28 miles per hour.
		Humidity	—	—						
		Wind Velocity, m. per hr.	E by N, 7	SE, 24						

63, Victoria Street, London, S.W. *January 23rd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 4. FOURTH WEEK, ENDING SATURDAY, JANUARY 26TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—At the opening of the week the conditions were mild and generally fair, but on Tuesday the temperature fell decidedly and the remainder of the period was very wintry. Snow showers were experienced in most places, but the falls were generally very slight, and the sky was frequently cloudless or nearly so. Aurora was observed at Balmoral on the 20th, 21st, and 26th.

Temperature was everywhere below the average, the deficit ranging from nearly 9° in England S. and S.W., and 8°·5 in the Midland Counties, to rather more than 4° in Ireland N., and to rather less than 4° in Scotland N. The highest of the maxima, which were registered either on Sunday or Monday, were as high as 55° in Ireland S., and between 50° and 46° over the Kingdom as a whole. Subsequently the maxima were very low generally, the thermometer on some days not reaching 32°. The lowest of the minima were nearly all recorded between the 24th and 26th. At Llangammarch Wells the sheltered thermometer fell to 5° (on the 25th), and the instrument exposed on the grass to 1°. Over the Kingdom generally the minima ranged from 10° in England E. and the Midland Counties, to 19° in Scotland N. and W. and to 21° in the English Channel.

Mean Temperature of the Sea.—On every part of the coast the sea was colder than during the week immediately preceding. At Eastbourne the decrease amounted to more than 5°, and at Seafield and Ballyglass to about 4°·5, in most other places the difference was considerably less. The actual mean temperature ranged from about 45° on the coast of South Devon and on the Atlantic Seaboard of Ireland, and 44° at Lerwick to 38° off the North-East and East of England, and to 37·4° off Eastbourne.

Rainfall was less than the average in all districts, the deficiency being most marked in the "Eastern Section" and Scotland N.

Bright Sunshine was abundant over the northern, midland, and south-western counties of England, as well as in Ireland N.; elsewhere the duration was moderate. The greatest percentage of the possible duration was 36 in England S.W., and the least 9 in Scotland N.

Barometer and Wind.—The week opened with light winds from between South and West, but during Monday night the passage southwards of a small depression over our western districts and the steady advance from the north-eastward of an anticyclone of abnormal intensity caused a fresh or strong current of wind from the Eastward to set in over Great Britain. With the nearer approach of the anticyclone this current increased in force, and during Wednesday blew a gale on some parts of the eastern and southern coasts. By Saturday the barometer had become highest over Ireland and lowest over Lapland, so that the air flowing over this country was drawn from the Northward and North-Westward.

THE WEEK

For explanation of the terms "Unusual," &c., *see* page 4., No. 1.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Deficient	Very Deficient
	Rainfall ...	Very Light	Very Light	Light	Very Light	Light	Light	Light	Light	Moderate	Light	Light	Light
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906–7. 8 weeks from Dec. 2nd, 1906.	Warmth ...	4*4	4*4	2*4	2*3	2*2	2*3	4*4	2*3	0*4	3*3	2*4	1*4
	Rainfall ...	2*1	2*5	1*4	2*4	1*4	1*5	1*4	3*4	1*3	2*4	1*6	2*5
	Sunshine ...	0*3	4*0	6*1	3*0	3*1	3*1	1*3	3*1	3*2	1*3	1*3	0*2

PAST SEASONS.

WINTER, 1905–6. Dec 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4*4	4*3	3*3	4*0	2*1	0*2	2*2	5*3	4*5	4*2	5*5	3*0
	Rainfall ...	8*2	4*5	4*4	5*1	4*4	4*4	2*2	5*5	5*4	5*2	4*4	6*3
	Sunshine ...	4*1	7*2	5*1	3*4	4*2	5*2	6*1	5*1	5*1	6*1	3*5	5*4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (4th)—January 20th, to January 26th, 1907.

DISTRICTS. (See p. 27.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	49	19	39·1	30·8	35·1	− 3·7	0	− 8	48	+ 16	5	− 1	0·52	− 0·98	5	− 2	9	− 3
Eastern																		
1. SCOTLAND, EAST	47	13	39·2	27·3	33·5	− 4·9	0	− 7	60	+ 24	3	− 2	0·10	− 0·45	12	0	22	0
2. ENGLAND, N.E.	48	15	36·8	27·0	32·1	− 7·3	0	− 10	69	+ 39	4	+ 1	0·11	− 0·23	16	+ 6	29	+10
3. ENGLAND, EAST	46	10	34·8	27·0	31·0	− 7·9	0	− 10	77	+ 43	2	− 2	0·13	− 0·26	17	+ 2	28	+ 4
4. MIDLAND COUNTIES	47	10	35·6	25·0	30·5	− 8·6	0	− 12	81	+ 48	3	− 1	0·16	− 0·34	17	+ 5	28	+ 8
5. ENGLAND, SOUTH	47	18	35·2	27·5	31·5	− 8·8	0	− 13	74	+ 49	2	− 1	0·13	− 0·38	13	+ 1	22	+ 1
Western																		
6. SCOTLAND, WEST	48	19	39·6	30·4	35·2	− 5·2	0	− 12	48	+ 25	4	− 2	0·57	− 0·57	8	− 1	15	− 2
7. ENGLAND, N.W.	46	15	38·0	28·1	33·3	− 7·0	0	− 11	61	+ 37	3	− 1	0·35	− 0·40	14	+ 4	24	+ 7
8. ENGLAND, S.W.	50	5	37·6	28·1	33·1	− 8·8	0	− 18	62	+ 44	4	− 1	0·46	− 0·39	22	+ 9	36	+14
9. IRELAND, NORTH	50	16	41·8	31·4	36·8	− 4·3	0	− 15	36	+ 15	4	− 1	0·48	− 0·33	14	+ 3	24	+ 5
10. IRELAND, SOUTH	55	17	41·8	30·5	36·4	− 6·5	0	− 22	39	+ 24	3	− 2	0·16	− 0·68	12	− 1	20	− 1
11. CHANNEL ISLANDS	50	21	41·9	33·9	38·0	− 6·7	0	− 26	28	+ 22	4	− 1	0·27	− 0·38	13	− 2	21	− 4

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, December 2nd, 1906, to January 26th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	93	+ 30	286	+ 42	45	+ 4	10·24	− 0·07	27	− 17	7	− 5
Eastern																		
1. SCOTLAND, EAST	58	7	*	*	*	*	92	+ 32	332	+ 48	27	− 6	3·27	− 1·00	73	+ 7	19	+ 2
2. ENGLAND, N.E.	56	15	*	*	*	*	63	− 9	305	+ 61	26	− 2	2·68	− 0·91	103	+ 38	25	+ 9
3. ENGLAND, EAST	56	10	*	*	*	*	51	− 24	332	+ 52	24	− 6	3·15	− 0·31	101	+ 22	23	+ 5
4. MIDLAND COUNTIES	57	10	*	*	*	*	70	− 17	310	+ 24	25	− 5	2·98	− 1·05	92	+ 19	21	+ 5
5. ENGLAND, SOUTH	56	3	*	*	*	*	78	− 38	260	+ 51	25	− 3	2·88	− 1·56	103	+ 19	23	+ 4
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	90	− 5	217	+ 26	36	− 0	7·29	− 2·00	49	− 10	12	− 2
7. ENGLAND, N.W.	57	14	*	*	*	*	83	− 11	216	+ 18	34	+ 2	4·85	− 0·83	72	+ 13	17	+ 3
8. ENGLAND, S.W.	56	5	*	*	*	*	99	− 52	199	+ 48	32	− 2	5·12	− 2·09	100	+ 9	22	+ 2
9. IRELAND, NORTH	56	8	*	*	*	*	110	− 5	162	− 10	38	− 1	5·48	− 1·09	63	− 9	15	− 2
10. IRELAND, SOUTH	57	11	*	*	*	*	152	− 24	150	+ 15	33	− 3	3·95	− 3·76	66†	− 22	15	− 5
11. CHANNEL ISLANDS	56	21	*	*	*	*	179	− 55	56	+ 7	37	− 1	4·47	− 2·02	94	− 12	20	− 3

THE YEAR.—Aggregates, &c., for the period of 4 Weeks, December 30th, 1906, to January 26th, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	39	+ 12	127	− 4	21	0	4·77	− 0·06	18	− 4	9	− 2
Eastern																		
1. SCOTLAND, EAST	56	7	*	*	*	*	37	+ 10	164	+ 14	11	− 5	1·08	− 1·11	41	+ 5	20	+ 2
2. ENGLAND, N.E.	52	15	*	*	*	*	31	0	145	+ 11	9	− 5	0·58	− 1·04	61	+ 28	29	+13
3. ENGLAND, EAST	52	10	*	*	*	*	21	− 12	161	+ 7	8	− 7	1·19	− 0·43	59	+ 14	27	+ 6
4. MIDLAND COUNTIES	53	10	*	*	*	*	34	− 6	158	+ 6	9	− 6	0·94	− 0·98	46	+ 7	21	+ 3
5. ENGLAND, SOUTH	52	16	*	*	*	*	44	− 3	124	+ 7	8	− 6	1·24	− 0·80	51	+ 8	23	+ 3
Western																		
6. SCOTLAND, WEST	53	19	*	*	*	*	39	− 2	89	− 15	17	− 2	2·85	− 1·51	18	− 14	9	− 7
7. ENGLAND, N.W.	53	15	*	*	*	*	38	− 1	105	− 4	15	− 1	1·60	− 1·12	36	+ 4	17	+ 2
8. ENGLAND, S.W.	54	5	*	*	*	*	47	− 20	106	+ 22	16	− 1	2·11	− 1·24	50	+ 3	22	+ 1
9. IRELAND, NORTH	53	16	*	*	*	*	49	− 4	74	− 19	18	− 1	2·21	− 1·13	29	− 8	14	− 4
10. IRELAND, SOUTH	56	11	*	*	*	*	76	− 6	78	+ 9	14	− 4	1·33	− 2·34	29†	− 16	13	− 7
11. ENGLISH CHANNEL	53	21	*	*	*	*	82	− 19	31	0	16	− 3	1·54	− 1·22	49	− 8	21	− 4

† Corresponding values for last week slightly altered owing to receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

III.—DATA from which the SUMMARY on page 26 has been calculated.

January 20–26, 1907.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	46	21	38·3	33·9	36·2	− 2·6	0	41	5	0·47	− 0·37	5·9	− 2·3	12	− 5
	Stornoway	49	23	42·9	34·3	38·8	− 0·2	3	29	7	0·55	− 0·58	3·9	− 4·6	8	− 9
0. SCOTLAND, N. — Mainland.	Wick	45	23	40·3	32·0	36·3	− 1·6	0	40	6	0·66	+ 0·13	*	*	*	*
	†Lairg (Strathpeffer)	42	19	36·8	25·7	31·5	− 4·1	0	74	?	?	?	5·0	− 4·4	9	− 8
	Glencarron	44	23	37·4	28·8	33·3	− 3·8	0	61	4	0·87	− 1·30	*	*	*	*
	Fort Augustus	45	24	39·2	29·6	34·6	− 3·7	0	52	4	0·12	− 1·08	4·7	− 0·7	9	− 1
	Fort William	44	25	38·9	31·1	35·2	− 3·7	0	48	4	0·46	− 1·55	*	*	*	*
1. SCOTLAND, E.	Nairn	45	24	40·6	28·6	34·8	− 2·8	0	50	4	0·09	− 0·32	11·3	—	21	—
	Aberdeen	43	24	38·9	30·1	34·7	− 3·1	0	51	5	0·21	− 0·29	10·6	− 2·2	20	− 4
	†Balmoral (Crathes)	45	13	36·6	23·4	30·3	− 4·3	0	82	4	0·08	− 0·59	13·7	—	25	—
	†Clathick (Balruddery)	47	16	38·2	26·2	32·4	− 4·8	0	67	1	0·05	− 0·92	—	—	—	—
	†Leith (Edinburgh)	45	21	40·1	29·4	35·0	− 4·5	0	49	3	0·09	− 0·30	8·6	0·0	16	0
	Marchmont	45	19	40·6	26·3	33·7	− 3.2	0	58	1	0·07	− 0·47	14·9	+ 3·3	27	+ 6
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	46	22	38·7	28·1	33·6	− 4·6	0	59	4	0·16	− 0·33	13·7	—	25	—
	†Shields (Newcastle)	46	23	38·0	28·4	33·4	− 5·4	0	60	3	0·06	− 0·30	7·0	− 0·4	13	− 1
	Durham	46	20	37·0	26·2	31·8	− 5·5	0	71	5	0·06	− 0·34	13·1	+ 1·9	23	+ 3
	Scarborough	48	21	39·4	28·7	34·3	− 4·4	0	54	5	0·21	− 0·22	22·5	—	40	—
	York	47	19	37·5	26·4	32·2	− 6·0	0	69	6	0·10	− 0·30	13·8	+ 5·5	24	+ 10
2. ENGLAND, N.E. — Southern part.	†Spurn Head (Saltburn)	42	21	35·0	29·0	32·1	− 6·5	0	69	3	0·08	− 0·20	—	—	—	—
	†Lincoln (Skegness)	45	15	34·4	24·5	29·7	− 7·7	0	86	4	0·09	− 0·27	15·0	—	26	—
	†Fulbeck (Rauceby)	44	15	34·0	24·5	29·4	− 7·5	0	88	4	0·09	− 0·29	19·9	—	34	—
3. ENGLAND, E. — Northern part.	Hillington	43	10	34·5	23·2	29·1	− 8·5	0	90	2	0·06	− 0·37	19·1	+ 6·7	33	+ 12
	†Yarmouth (Lowestoft)	42	24	34·1	27·9	31·1	− 6·7	0	76	4	0·41	+ 0·04	17·7	—	30	—
	Geldeston	43	23	35·0	25·8	30·6	− 7·9	0	80	5	0·36	0·00	16·1	+ 2·4	27	+ 4
	(Cromer)												16·0	—	28	—
3. ENGLAND, E. — Southern part.	Cambridge	46	22	34·7	26·7	30·9	− 7·3	0	78	1	0·03	− 0·30	23·6	+ 10·5	40	+ 18
	Felixstowe	43	23	34·7	28·4	31·7	− 7·1	0	72	2	0·12	—	16·4	—	28	—
	Clacton-on-Sea	43	23	35·0	28·9	32·1	− 6·6	0	69	2	0·08	—	16·1	—	27	—
	Rothamsted	45	21	34·0	25·1	29·7	− 7·9	0	86	3	0·07	− 0·41	20·9	+ 8·7	35	+ 15
	†Shoeburyness (Southend)	43	21	34·9	28·1	31·6	− 7·2	0	73	2	0·06	− 0·25	12·5	—	21	—
	London, Westminster	46	23	36·0	29·0	32·6	− 7·2	0	66	1	0·02	− 0·38	6·1	+ 0·8	10	+ 1
	(Dunmow)												19·0	—	32	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	45	21	37·5	26·8	32·4	− 5·0	0	67	4	0·11	− 0·39	16·2	—	28	—
	†Bawtry (Worksop)	45	17	35·7	26·4	31·2	− 6·9	0	76	3	0·11	− 0·26	17·2	+ 7·5	30	+ 13
	Nottingham	45	14	34·9	24·4	29·9	− 8·2	0	85	3	0·08	− 0·32	12·3	—	21	—
	Colly Weston	45	14	34·9	22·9	29·1	− 8·5	0	90	2	0·07	− 0·28	*	*	*	*
	Birmingham, Edgbaston	45	15	34·8	24·8	30·0	− 8·2	0	84	1	0·09	− 0·35	3·5	—	6	—
	Oxford	46	20	34·9	26·0	30·6	− 8·3	0	80	1	0·01	− 0·43	22·4	+ 10·2	38	+ 17
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	42	15	34·0	24·1	29·3	− 7·8	0	89	3	0·14	− 0·43	18·3	—	32	—
	Shrewsbury	47	12	39·0	24·6	32·1	− 6·6	0	69	2	0·27	—	*	*	*	*
	Hereford	46	10	34·9	23·4	29·4	− 9·5	0	88	3	0·47	− 0·05	*	*	*	*
	Cirencester	45	16	34·9	23·6	29·5	− 8·4	0	88	3	0·07	− 0·49	22·8	+ 10·4	39	+ 18
	Bath	47	20	35·9	27·9	32·1	− 7·8	0	69	3	0·30	− 0·25	19·8	—	33	—
	(Margate												10·0	− 2·4	17	− 4
5. ENGLAND, S	Kew	46	23	35·2	27·8	31·7	− 7·4	0	72	2	0·02	− 0·38	12·9	+ 2·6	22	+ 4
	Wisley, Surrey	45	21	34·4	26·0	30·4	− 8·1	0	81	2	0·03	—	10·9	—	18	—
	†Swarraton (Ventnor)	45	18	33·9	25·4	29·8	− 8·0	0	85	3	0·05	− 0·56	13·0	− 1·5	21	− 3
	Tunbridge Wells	41	18	32·3	24·6	28·6	− 9·3	0	94	3	0·10	− 0·47	7·5	− 4·5	13	− 8
	†Dungeness (Littlestone)	42	20	35·9	28·4	32·3	− 7·3	0	68	1	0·02	− 0·38	11·4	—	19	—
	Hastings	43	18	34·6	27·2	31·1	− 8·5	0	76	2	0·07	− 0·47	15·6	+ 0·5	26	+ 1
	Southampton	46	21	36·3	28·6	32·6	− 7·6	0	66	2	0·13	− 0·47	17·1	+ 4·1	29	+ 7
	†Portland Bill (Worthing)	47	23	39·0	31·7	35·5	− 5·2	0	46	4	0·62	—	16·2	—	27	—
	(Eastbourne)												15·8	+ 1·8	26	+ 3
6. SCOTLAND, W.	†Laudale (Oban)	48	27	40·5	32·8	36·8	− 3·4	0	36	5	0·96	− 0·84	7·9	—	14	—
	Glasgow	46	21	38·9	30·6	34·9	− 3·8	0	50	4	0·41	− 0·37	2·2	− 4·2	4	− 8
	Dumfries	46	22	38·5	28·9	33·9	− 5·1	0	57	3	0·27	− 0·68	*	*	*	*
	Cally	45	19	39·3	28·6	34·2	− 4·3	0	55	3	0·53	− 0·50	*	*	*	*
	Douglas, Isle of Man	46	21	40·8	31·1	36·1	− 4·5	0	41	4	0·66	− 0·21	14·9	+ 2·3	26	+ 4
7. ENGLAND, N.W.	Aspatria	44	19	37·8	26·7	32·5	− 5·2	0	67	3	0·17	− 0·45	19·9	—	36	—
	Newton Rigg	44	19	37·4	25·5	31·7	− 5·2	0	72	1	0·07	− 0·69	17·5	+ 7·3	31	+ 13
	Stonyhurst	43	20	37·2	27·7	32·6	− 5·4	0	66	2	0·20	− 0·68	10·7	+ 1·2	18	+ 2
	Blackpool	44	21	38·0	28·3	33·3	− 5·3	0	61	3	0·33	− 0·26	14·9	+ 4·7	26	+ 8
	Manchester, Prestwich	44	17	36·6	26·7	31·9	− 6·4	0	71	2	0·13	− 0·53	7·5	+ 1·7	13	+ 3
	†Liverpool Obs. (Hoylake)	44	20	37·1	28·4	32·9	− 6·7	0	64	3	0·33	− 0·13	14·1	—	24	—
	†Hawarden Bridge (Southport)	46	18	37·8	28·8	33·5	− 7·1	0	60	3	0·26	− 0·11	13·9	—	24	—
7. NORTH WALES	Llandudno	44	20	39·9	28·9	34·6	− 6·9	0	52	3	0·38	− 0·19	13·1	+ 0·9	23	+ 2
	†Holyhead (Aberdovey)	46	24	40·6	33·0	37·0	− 4·8	0	35	4	1·02	+ 0·36	17·5	—	30	—
	Bettws-y-Coed	46	15	38·0	26·9	32·7	− 7·8	0	65	4	0·62	—	9·7	—	17	—
8. SOUTH WALES	Llangammarch Wells	44	5	36·2	22·7	29·7	− 7·6	0	86	3	0·35	—	19·0	—	32	—
	Pembroke	47	19	40·0	29·9	35·2	− 7·3	0	48	4	0·49	− 0·27	23·7	+ 10·2	40	+ 17
	†Cardiff (Aberystwyth)	49	18	36·6	26·7	31·9	− 8·6	0	71	4	0·78	− 0·05	17·0	—	29	—
8. ENGLAND, S.W.	†Clifton (Torquay)	46	19	35·7	27·0	31·5	− 8·5	0	74	3	0·63	− 0·01	21·2	+ 6·7	35	+ 11
	†Shaftesbury (Marlborough)	44	19	34·1	26·6	30·5	− 7·3	0	81	5	0·09	− 0·51	17·5	+ 6·9	29	+ 12
	†Arlington (Newquay)	46	21	37·6	28·1	33·0	− 7·2	0	63	5	0·64	− 0·34	26·0	+ 12·3	43	+ 20
	Cullompton	49	22	37·6	28·3	33·1	− 7·2	0	62	4	0·32	− 0·41	21·5	+ 9·5	36	+ 16
	Plymouth	50	23	42·0	31·0	35·8	− 6·5	0	43	2	0·31	− 0·46	25·5	+ 12·5	42	+ 21
	Falmouth	48	25	40·4	32·9	36·8	− 6·7	0	36	5	0·54	− 0·49	18·4	+ 3·7	30	+ 6
9. IRELAND, N. — Western part.	Malin Head	47	24	43·4	33·0	38·4	− 3·0	4	34	5	0·60	+ 0·03	*	*	*	*
	Edenfel	46	20	40·0	28·1	34·3	− 4·0	0	54	4	0·58	− 0·18	*	*	*	*
	Blacksod Point	50	30	44·9	35·9	40·6	− 2·3	8	25	4	0·38	− 0·67	*	*	*	*
	Markree Castle	47	16	42·1	27·8	35·2	− 4·7	0	52	4	0·68	− 0·15	15·2	+ 4·3	27	+ 8
9. IRELAND, N. — Eastern part.	Armagh	46	19	39·8	30·0	35·1	− 4·4	0	48	5	0·17	− 0·42	12·4	+ 0·8	22	+ 1
	Donaghadee	45	29	40·6	33·3	37·1	− 3·5	0	34	4	0·47	− 0·13	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	50	28	41·9	32·9	37·6	− 4·2	0	31	2	0·07	− 0·43	5·4	− 9·0	9	− 16
	Kilkenny	48	18	40·1	29·0	34·8	− 6·3	0	50	2	0·11	− 0·64	*	*	*	*
	Waterford	49	20	41·0	31·6	36·5	− 4·9	0	39	2	0·12	− 0·79	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	51	17	40·9	27·0	34·2	− 6·0	0	55	3	0·11	− 0·51	6·1	− 6·3	11	− 11
	Foynes	50	22	41·2	30·7	36·2	− 5·7	0	41	5	0·27	− 0·53	*	*	*	*
	Killarney	55	18	42·9	28·9	36·2	− 7·2	3	49	2	0·12	− 1·24	*	*	*	*
	Valencia	52	21	44·1	30·9	37·8	− 6·9	6	42	3	0·30	− 1·02	23·0	+ 9·9	39	+ 16
	†Roches Point (Ballinacurra)	49	25	42·3	32·7	37·7	− 5·9	1	34	4	0·18	− 0·92	12·1	—	20	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	50	28	44·4	37·4	41·0	− 4·7	7	18	2	0·07	− 0·67	18·7	+ 3·7	31	+ 6
	†Jersey, St. Aubins (St. Hellers)	47	21	40·1	31·1	35·8	− 6·8	0	43	5	0·24	− 0·43	14·2	+ 0·2	23	0
	Guernsey	46	24	41·2	33·1	37·3	− 6·1	0	33	5	0·51	− 0·26	6·6	− 10·4	11	− 17

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 10·5 hrs., 18 %; Brighton, 15·2 hrs. (+ 1·5), 25 % (+ 3 %); Bournemouth, 20·0 hrs., 33 %; Bognor, 16·4 hrs., 27 %; Rhyl, 15·1 hrs., 26 %; Tenby, 21·9 hrs. (+ 7·4), 37 % (+ 13 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·5
	Crathes	6	17	33·9	37·6
	Marchmont ..	—	—	35·1	—
	— — ..				
2.	Cockle Park	7	18	34·6	39·7
	York	—	—	37·3	41·8
	Hull	7	13	35·7	41·0
	Lincoln	—	—	35·4	41·7
3.	Cambridge	6	12	35·6	42·5
	Dunmow	6	19	—	—
	Clacton-on-Sea ..	6	21	38·1	44·0
4.	Harrogate	7	15	37·2	40·2
	Sheffield	5	12	36·2	41·7
	— — ..				
	Birmingham	7	5	38·0	44·7
	Nottingham	7	10	34·1	40·3
	— — ..				
5.	Kew	6	15	36·3	43·6
	Canterbury	6	13	38·0	42·5
	Portsmouth	5	15	38·7	45·3
	Wisley	—	—	36·5	43·1
6.	— — ..				
	Glasgow	5	13	—	—
	— — ..				
7.	Newton Rigg ..	6	7	37·5	41·3
	Southport	5	11	36·2	41·5
	Bettws-y-Coed ..	4	15	37·7	43·9
	Manchester City ..	5	17	36·8	42·9
	— — ..				
8.	Llangammarch Wells	7	1	38·0	44·3
	Bath	—	—	39·6	45·5
	Plymouth	5	21	39·4	—
	— — ..				
9.	Armagh	6	14	39·1	44·1
	Markree Castle ..	7	12	—	—
10.	Dublin, Trin. Coll. ..	4	21	39·9	44·5
11.	Guernsey, Brooklyn	5	22	40·6	46·4

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	43	44·3
	Kirkwall	44	37	41·5
	Wick	?	?	?
SCOTLAND, E.	Cromarty	44	35	40·0
	Pennan Bay	40	38	39·2
	Aberdeen, Cove Bay ..	40	38	39·4
ENGLAND, N.E.	Burnmouth, Berwick ..	41	37	39·5
	Scarborough	41	33	37·8
ENGLAND, E.	Shipwash Lightship ..	40	36	38·2
ENGLAND, S.E.	Eastbourne‡	41	34	37·4
SCOTLAND, W.	Lamlash	46	42	44·4
	Ballantrae	44	39	42·5
ENGLAND, N.W.	Port Erin	48	44	45·7
ENGLAND, S.W.	Newquay	46	38	42·8
	Plymouth‡	48	43	45·7
	Salcombe	48	41	45·3
IRELAND, N.W.	Sheephaven	46	43	44·5
	Ballyglass	47	37	42·7
IRELAND, S.W.	Cleggan	47	43	45·0
	Seafield	46	35	41·2
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

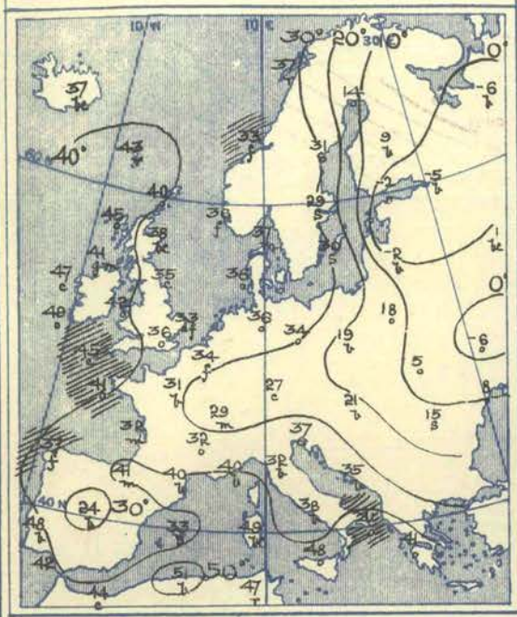
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

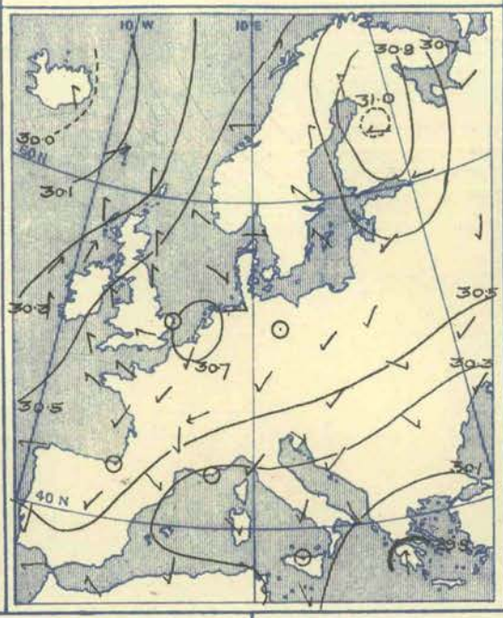
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 20th January, 1907.

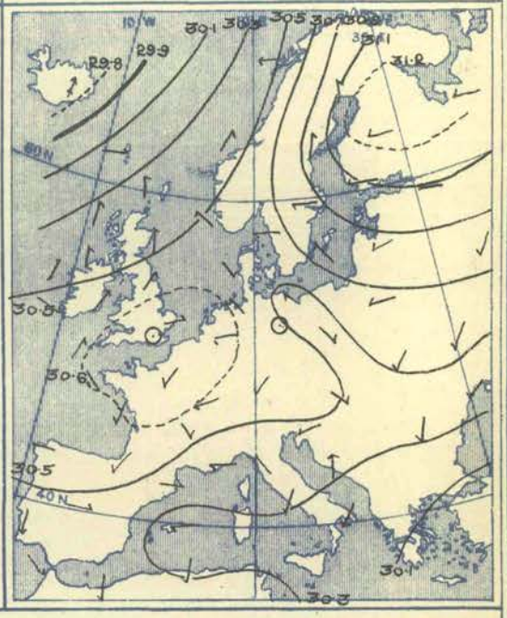
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, with fog in Norway, at a few English stations, over the Low Countries, and at Corunna; rain at Bodö, in the Hebrides, and at La Calle and Constantinople, and snow in Sweden and at Hermanstadt. Fair or fine in various parts of southern Europe, and also at some central stations. Slight rain experienced later in most parts of these Islands, and some snow in some German and Swedish localities.

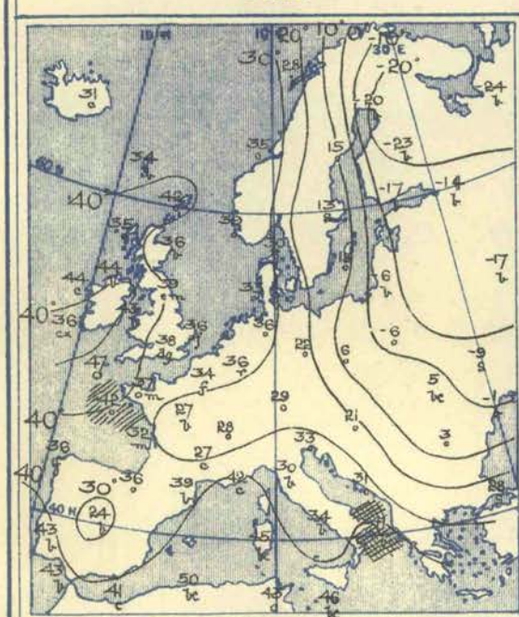
Temperature fallen generally, risen over Scotland and the north of Russia. Readings in morning 5° or 6° below zero in Little Russia, and also in the north of Russia, and much below 32° over the eastern half of our area as a whole. About 40° or rather higher on our north-west and west coasts, and also over the Mediterranean region. Highest reading, 53° at Malta. Thermometer remaining below 40° during day at many English stations and not touching 32° over a large portion of central and eastern Europe. Frost during succeeding night extremely severe in Poland and the adjacent parts of Austria and Germany.

Wind in morning showing an extensive anticyclonic circulation over the north-east of our area, and a smaller one around the Netherlands. Moderate Southerly winds prevailing on our western and northern coasts, and a partial cyclonic circulation over the Mediterranean. North-Westerly wind blowing very strongly at Brindisi and freshly at Malta. No change of importance later.

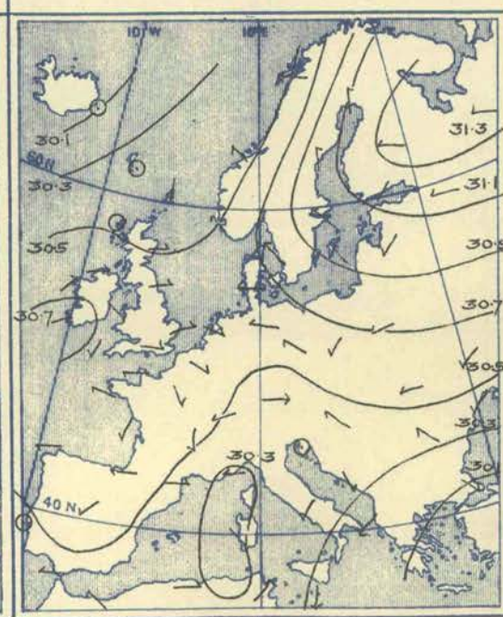
Barometer in morning ranging from 31·02 ins. at Kuopio in the centre of a well-marked anticyclone, and from above 30·7 ins. over the Netherlands to less than 30·0 ins. over Iceland and to below 29·9 ins. over Greece. Pressure increasing briskly over Finland and the surrounding regions; barometer standing at nearly 31·3 ins. by 6 p.m. and rise continuing during the night. Mercury falling decidedly in Iceland, and changing little over Great Britain.

Monday, 21st January, 1907.

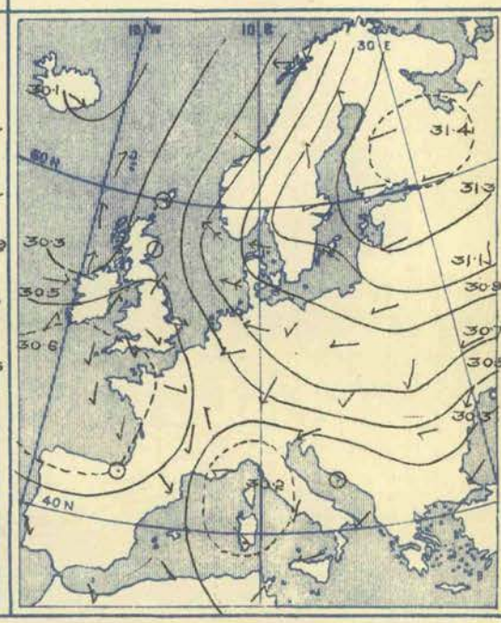
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the north-east of Europe and at many stations in the south, and also in a few localities in these Islands; cloudy or overcast elsewhere, with snow at Prague, Constantinople, and Kieff; rain in the south-east of England and at Frankfort, and fog at some French and Spanish stations. Showers falling later over many parts of these Islands and the nearer regions of the Continent, and a little snow in some parts of Germany and Scandinavia.

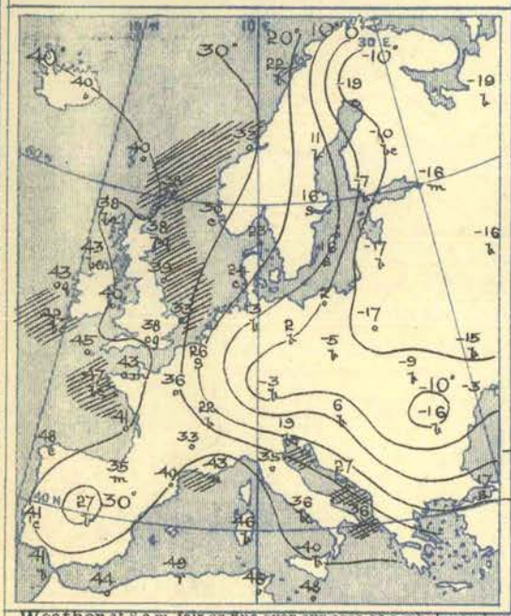
Temperature fallen very generally, many degrees in eastern and north-eastern Europe. Readings in morning below 32° over by far the major portion of the Continent, and much below zero over Russia and Finland. Above 40° on our north-west coasts and at Scilly, and also in a few localities on the shores of the Mediterranean. Intense frost continuing throughout the day over the north-east and east of the Continent, and maxima low generally. Thermometer only rising to 47° at Naples and to 41° at Cette and to 30° at Constantinople. Highest readings in this country above 45°.

Wind in morning anticyclonic very generally except over the far south of our area. Little force as a whole, but Easterly current fresh or strong over Denmark and Norway. A fresh or strong gale from the South-East on the coast of Jutland and at Skudesnaes by evening, and a high wind from East-North-East at Trieste.

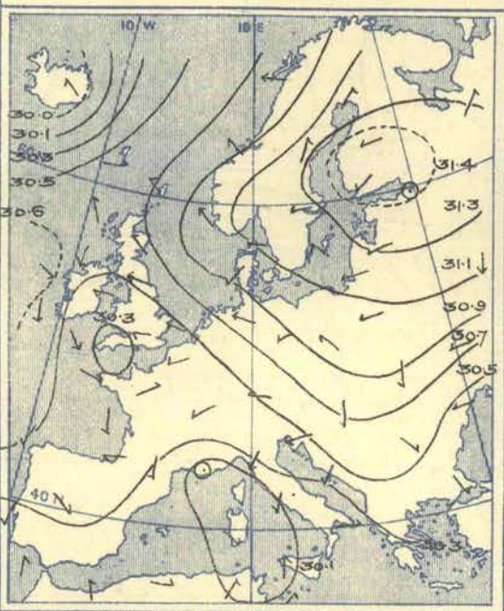
Barometer at 8 a.m. as high as 31·39 ins. at Archangel and above 31·3 ins. over the extreme north of Russia and the adjacent portion of Finland generally. Above 30·7 ins. over the south of Ireland and its vicinity. Below 30·3 ins. in a depression over the Mediterranean between France and Algeria, and less than 30·1 ins. in the south-east of Europe, and also over Iceland. Large anticyclone extending eastwards and increasing in intensity during day. Barometer rising to 31·46 ins. in central Finland by 6 p.m. A rather decided fall of the mercury taking place on our own north-west coasts, and Mediterranean depression increasing in depth. Irish anticyclone becoming less pronounced and travelling towards the Bay of Biscay.

Tuesday, 22nd January, 1907.

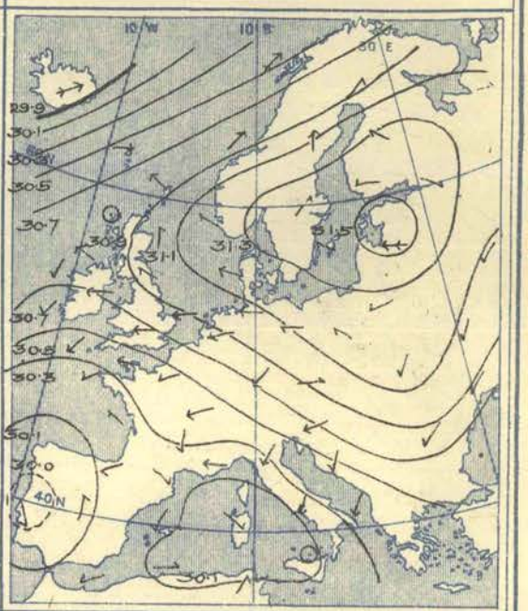
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area as a whole, and very bright over Russia and in many parts of central Europe. Overcast at most of our own stations and in various parts of Italy and Algeria, with rain at Bath and Portland Bill and on the Algerian coast, and snow at Pesaro. Snow also falling at Brussels. Precipitation slight and not at all general during day, but as much as 0·35 in. of rain falling at Jersey.

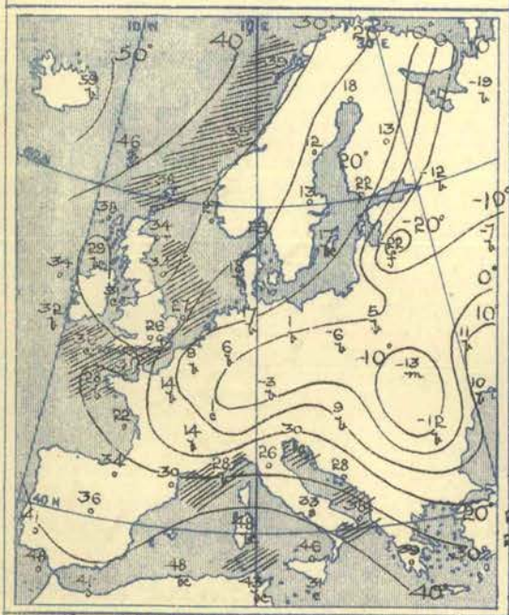
Temperature fallen very rapidly over Germany and the central countries generally, risen decidedly in most parts of France, and changed little over these Islands. Readings in morning below zero over Russia and a large portion of central Europe as far west as Munich, as low as 17° at Constantinople. Above 40° on our extreme west and south-west coasts and in various parts of the south of Europe. Intense frost continuing all day throughout the whole of eastern and central Europe and cold increasing quickly over France and England. Sharp frost during night over England and in parts of Scotland and a minimum of −8° at Munich.

Wind in morning showing a vast anticyclonic circulation over all the north-eastern and eastern countries, and two cyclonic movements, one around the western part of the English Channel, and the other over the Mediterranean. North-Easterly and Easterly currents fresh or strong in many places, both on the Continent and in these Islands. Easterly wind increasing in force during day over our eastern and southern districts and also over Italy and the Adriatic; blowing a fresh gale at Portland Bill and Trieste.

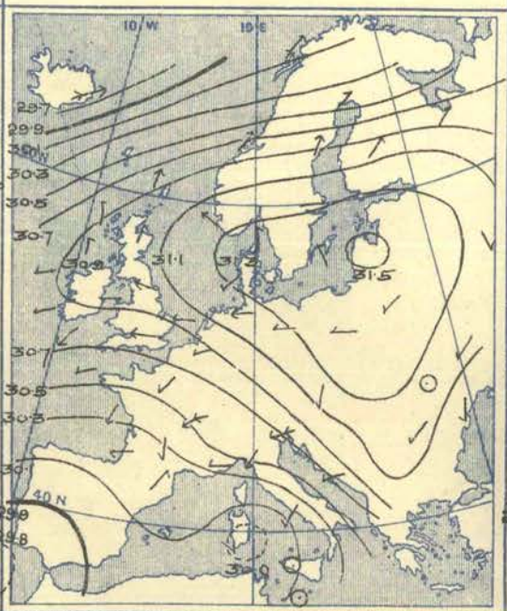
Barometer in morning above 31·4 ins. in a very extensive anticyclonic system having its central portion over Finland. Readings decreasing to below 30·3 ins. in a depression over the western part of the Channel, to below 30·1 ins. in a large depression having its minimum near Cagliari, and to below 30·0 ins. over Iceland. Pressure continuing to increase during day, and reaching the level of 31·58 ins. at Riga by 6 p.m., and 31·50 ins. or more over the Baltic provinces generally. Gradients becoming steeper both for South-Westerly and Easterly winds. Channel disturbance travelling quickly southwards and increasing in depth.

Wednesday, 23rd January, 1907.

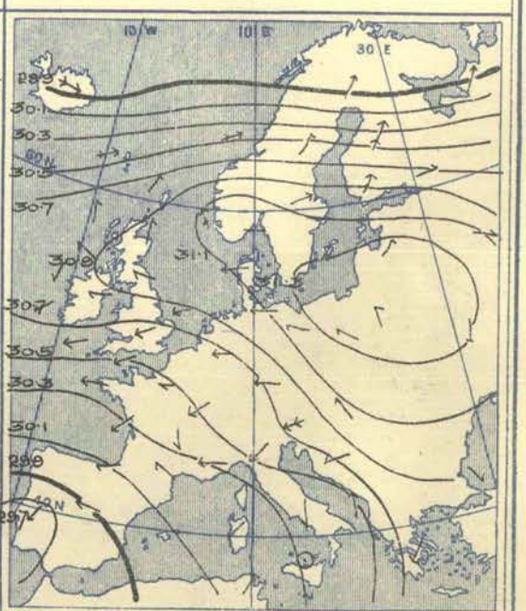
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very fine and bright throughout nearly the whole of Central Europe and Russia, as well as in most parts of France, and at some Irish stations. Overcast in nearly all other regions, with snow at Athens, Pesaro, Naples, Oxford, and Hangö, and rain at La Calle and Bodö. Heavy rain or snow experienced later over the southern half of Italy and at Cape Béarn and its vicinity, but conditions continuing dry as a rule.

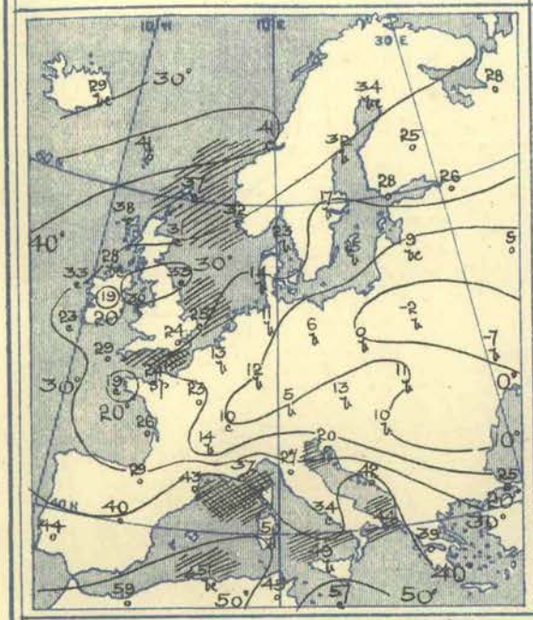
Temperature fallen generally, but risen in Russia and Finland, as well as in many parts of Scandinavia. Readings in morning above the freezing point on most shores of the Mediterranean and in the extreme north-west of our area; as high as 59° at Seydisfjord. Below 32° over our area generally, and below zero over large tracts of central and north-eastern Europe, and no higher than 9° at Brussels and 1° at Belfort. Lowest reading in these Islands, 24° at Oxford, and lowest on the Continent, −22° at Riga. Thermometer remaining below 32° all day over a large portion of England and in almost all Continental regions. Frost very severe in France and the central countries. Minima of succeeding night very low generally; lowest in the United Kingdom, 17° at Birr Castle.

Wind in morning showing a vast anticyclonic circulation embracing almost the whole of our area except the Spanish Peninsula and the Mediterranean. Westerly current blowing a gale in Iceland and the north-west of Norway, and Easterly current strong to a fresh gale on our own eastern and southern coasts, and also in some parts of the south of France and at Trieste. Scarcely any change occurring later.

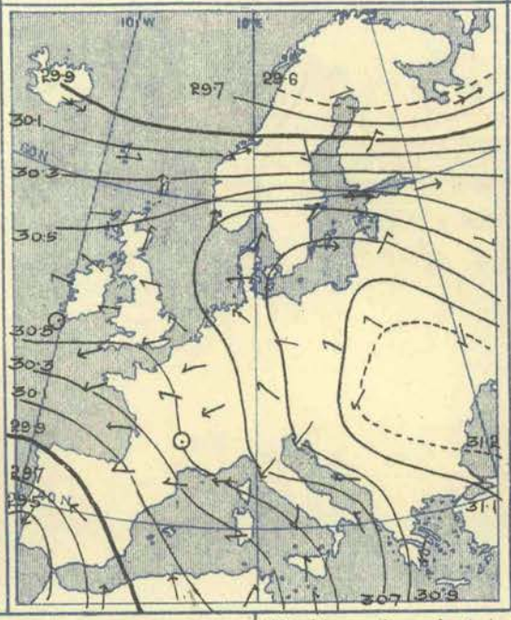
Barometer in morning as high as 31·51 ins. in a vast high pressure system having its maximum near Riga. Readings decreasing to the north-westward to 29·65 ins. at Seydisfjord, and to the south-westward to 29·72 ins. at Lisbon. A shallow depression with readings below 30·0 ins. existing over the south of Sardinia. Gradients steep or rather so generally, especially over Scandinavia and the adjacent portion of the Atlantic, and over certain parts of Italy and Central Europe. Pressure giving way slowly later within the anticyclonic system, and highest readings becoming situated rather more to the southward. Very little modification taking place in the general distribution.

Thursday, 24th January, 1907.

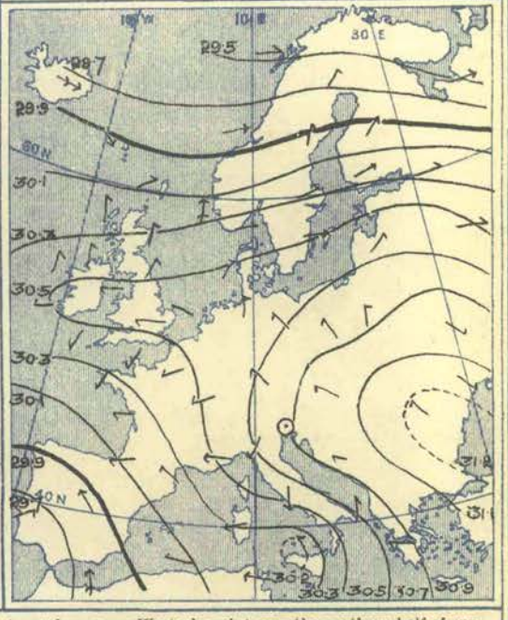
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of Central Europe and Sweden, but cloudy or overcast in nearly all other districts. Rain falling at Stornoway and Rome and snow at Jersey and Constantinople. Heavy rain later in the neighbourhood of Perpignan, very heavy snow at Turin, and smaller amounts of snow in various other parts of our area.

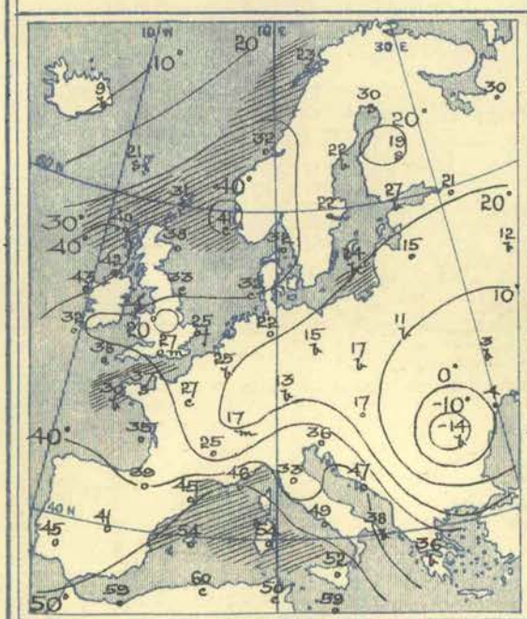
Temperature fallen in most parts of the United Kingdom and on the shores of the Gulf of Venice, risen generally elsewhere, with great rapidity in the north-east. Change amounting to 47° at Archangel and 38° at St. Petersburg. Readings in morning ranging from −7° at Kieff to between 10° and 20° over most of Central Europe, to above 40° in the Spanish Peninsula, and to above 50° in the extreme south of our area. Thermometer below 32° in nearly all parts of these Islands, and as low as 19° at Birr Castle. Frost continuing throughout the day in most places both in this country and on the Continent. Maximum only 25° at Nottingham and Worthing. Subsequent minima very low over central England and also in central Ireland.

Wind in morning moderate to strong from some Westerly point over the northern half of our area, with a gale in parts of Scandinavia and Finland. Mainly Easterly over France and our Islands, moderate to strong, and more variable over the Mediterranean region; moderate to fresh from the Southward over Algeria and Sicily, and from the South-Eastward over Spain. A high wind from the North-Eastward prevailing over Greece. Little change later in day. Wind becoming more Westerly over our own northern districts.

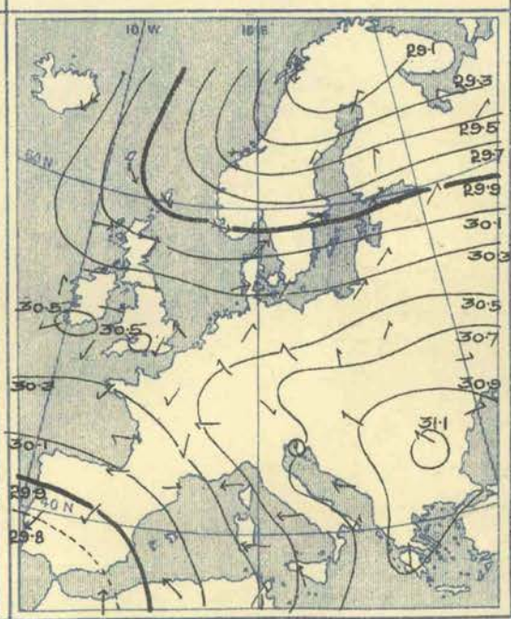
Barometer at 8 a.m. ranging from above 31·2 ins. over a considerable part of eastern Europe to below 29·5 ins. off the south-west coast of Spain and also over the far north of Scandinavia and Lapland. A band of relatively high pressure extending from the eastward across the North Sea and our Islands to the Atlantic. Pressure decreasing during day over our area generally, but little change occurring in the general distribution. Highest pressure travelling very slowly towards the south.

Friday, 25th January, 1907.

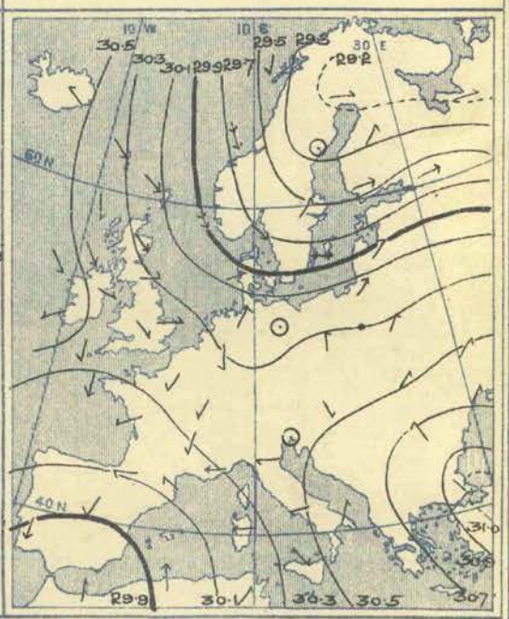
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few localities, especially over the central Countries. Overcast as a whole, with snow at some places in the extreme north and north-west of our area. Some snow falling later in various parts of the United Kingdom and in a few Continental localities, and heavy rain in some parts of the north of Italy and the south of France.

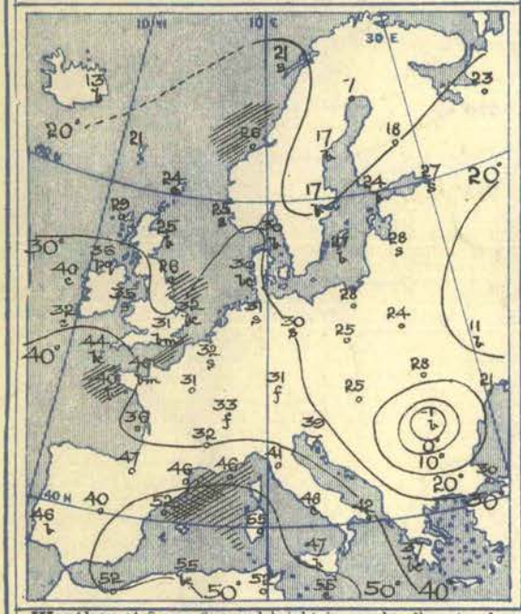
Temperature changed rather irregularly; fallen at most stations in the north, but risen over the central and western regions. Readings in morning below zero at Hermanstadt and Nicolaieff, and below the freezing point over the Continent generally, as well as in most parts of Ireland and England; above 32° in Scotland, and above 50° towards the south of the Mediterranean. Highest reading, 60° at Algiers. Thermometer rising to a little above the freezing point during day in most parts of our Islands, but sharp frost again general at night. Maxima above 60° in Algeria, and above 50° in the south of Italy.

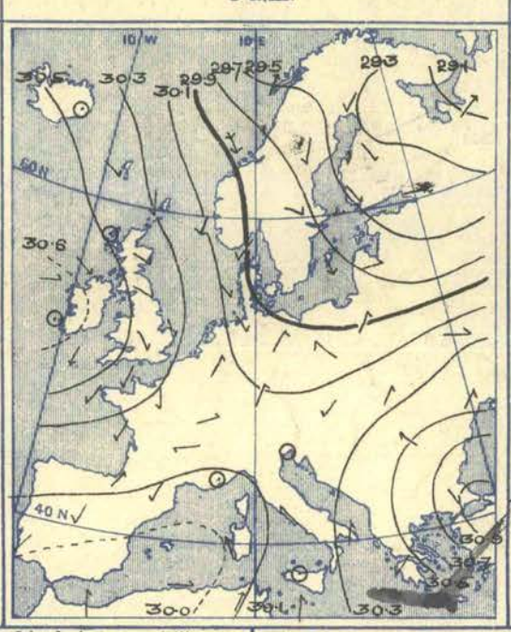
Wind in morning North-Westerly to Westerly over all the northern portion of our area; fresh or strong in force in most places, and blowing a gale in many Continental regions. Strong Southerly to South-Easterly winds prevailing over the Mediterranean and moderate Easterly winds in the Spanish Peninsula. Light anticyclonic airs shown over the south-east of Europe. Light and rather variable breezes prevailing over the greater part of England. Wind becoming more Northerly over these Islands by evening, strong winds or gales continuing over Scandinavia and the Baltic.

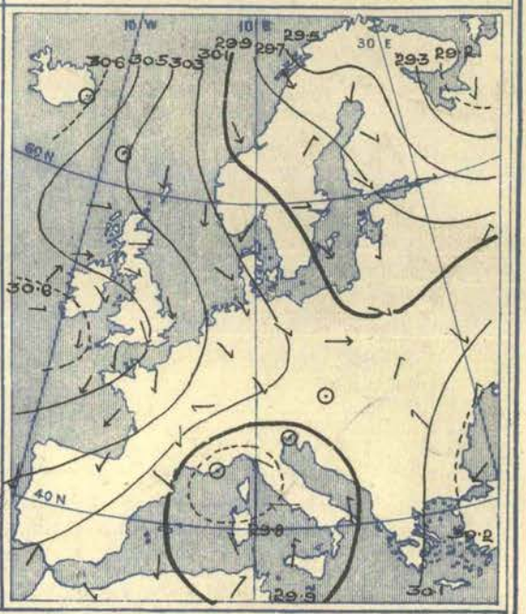
Barometer in morning ranging from above 31·1 ins. in a large high pressure area having its centre over Transylvania, to below 29·8 ins. over the south-west of Spain, and to below 29·1 ins. in a very large depression over the north of Scandinavia. Gradients steep over the northern half of the Continent. High pressure moving south-eastwards later and decreasing still further in intensity, but another anticyclonic system advancing from the Atlantic towards our Islands. Northern depression travelling eastwards.

Saturday, 26th January, 1907.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather at 8 a.m. fine and bright in nearly all parts of our Islands, but snow falling at Holyhead and rain showers at Pembroke and Malin Head. Cloudy or overcast over the greater portion of the Continent, with rain in a few southern, and snow in some northern, localities. Snow or sleet falling later in most parts of our Islands—as much as 0·38 ins. at Holyhead and heavier precipitation in some Continental localities. More than 1·5 in. of rain at Rome, and an inch of rain or snow at Trieste. Heavy rain experienced in Algeria.

Temperature risen generally, but fallen in the northern districts of our Islands and the extreme north of our area, and also on some shores of the Mediterranean. Readings in morning below 32° over nearly all of the Continent and the United Kingdom, and as low as 5° at Uleaborg and Kharkoff, and –1° at Hermanstadt. Above 45° at most stations in the Mediterranean region, and as high as 55° at Algiers and Malta. Temperature continuing below 32° over a large part of the Continent, but rising to a little above it in most parts of England and France. Maxima above 60° in Algeria.

Wind in morning Northerly over our Islands and the western countries of the Continent; light or moderate as a whole, but strong to a gale on the Norwegian coast. Light to fresh Southerly to Easterly breezes prevailing over the south of our area, and moderate breezes from some Westerly point over Russia. Gale continuing throughout the day in certain parts of Norway. Wind backing to the Westward on our own north-west coasts by 6 p.m. A decided cyclonic movement springing up over the Mediterranean.

Barometer in morning ranging from 30·92 ins. at Constantinople, and above 30·6 ins. over Ireland to less than 30·0 ins. over the south of Spain and the north-west of Africa, and to below 29·1 ins. in the neighbourhood of Archangel. Barometer rising briskly and becoming as high as 30·67 ins. by the evening at Seydisfjord, but a secondary depression causing a fall over our north-western districts. A well-defined depression forming over Corsica and the surrounding regions, and gradients becoming steep over the south-east of France and the north of Italy.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,669 / 509	3,320 / 1,009	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
January 21st, 3.9 p.m. to 3.15 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—						Pilot balloon ascent. Uniform ascensional velocity of 300 ft. per minute assumed. Sky clear, haze near horizon.
		Humidity	—	—						
		Wind Velocity, m. per hr.	NNW, 6*	N by W, 16						
January 21st, 3.8 p.m. to 4.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	40°	35°	27°					One kite, 77 square ft.; 5,000 ft. wire. Max. height, 3,800 ft. Fog in the morning, and apparently fog at a few hundred feet during the ascent; clear at beginning and end. Temperature lower at the kite while the sky was overcast.
		Humidity	85%	90%	80%					
		Wind Velocity, m. per hr.	NW by W, 5	NW by W, 30	NW by W, 30					
January 22nd, 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Wire broke before the kite (60 square feet) had reached 500 ft.
		Humidity								
		Wind Velocity, m. per hr.								
January 25th, 11.42 a.m. to 11.57 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—	—				Pilot balloon ascent. Uniform ascensional velocity of 300 ft. per minute assumed. Wind changing to North Westerly at 2,000 ft., and South Westerly at 3,500 ft. Owing to the altitude of the balloon it could be followed no further with the theodolite. Balloon fell 27 miles East of starting point. Clouds alto-cumulus, over 5,000 ft.
		Humidity	—	—	—	—				
		Wind Velocity, m. per hr.	NNE, 20*	N by E, 14	NW by N, 2	SW ¼ S, 6				
January 26th, 3.50 p.m. to 4.45 p.m.	Brighton, 380 ft.	Temperature F.	28°	23°						One kite, 60 square ft. 4,000 feet wire. Max. height, 2,100 ft. Clear sky.
		Humidity	?	?						
		Wind Velocity, m. per hr.	NNW, 10	NW by N, 28						
January 26th, 4.13 p.m. to 4.25 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—	—				Pilot balloon ascent. Uniform ascensional velocity of 400 ft. per minute assumed. Balloon last seen at height of about 5,500 ft.; wind veering still more with increase of velocity.
		Humidity	—	—	—	—				
		Wind Velocity, m. per hr.	N ¼ W, 14*	N, 23	N, 27	N ¼ E, 30				

* At about 200 ft. above the ground.

63, Victoria Street, London, S.W. *January 30th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 5. FIFTH WEEK, ENDING SATURDAY, FEBRUARY 2ND, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was rough and squally until the latter days of the week, when it became quieter and drier. Much of the precipitation consisted of snow, sleet and hail. Thunderstorms were experienced in many northern and north-western localities, either on Monday or Tuesday.

Temperature was below the average in all districts, the deficit ranging from about 1° in Ireland, and 1·8° in the English Channel to between 4° and 4·5° in most parts of Great Britain. The highest of the maxima were registered on January 28th, and ranged from 55° in Ireland S. to 49° in Scotland. Later in the week the maxima were much lower, some of the readings being very little above 32°. The lowest of the minima were recorded on Sunday in many parts of the Kingdom, but on Friday or Saturday in other districts. In Scotland E. (at Balmoral on February 1st) the thermometer fell to 5°, but over the Kingdom generally the values ranged from 11° in England S.W. (at Llangammarch Wells on February 2nd), to 20° in England N.E., 27° or 28° in Ireland, and to 32° in the English Channel. The lowest minima reported on the grass were 4° at Llangammarch Wells, 8° at Newton Rigg, and 9° at Birmingham.

Mean Temperature of the Sea.—A further decrease of temperature occurred generally, the only notable exception being at Seafield off the south-west of Ireland. At Kirkwall the water was 5° colder than during the preceding week. The readings were mostly between 43° and 45° on the western seaboard and between 36° and 39° in the east.

Rainfall exceeded the average in Scotland N. and just equalled it in Scotland E. and England N.E., but over the Kingdom as a whole the amount was less than the normal.

Bright Sunshine exceeded the average in nearly all parts of Great Britain, as well as in the English Channel, and just equalled it in Ireland, but was less in Scotland N. The percentage of the possible duration ranged from 40 in England S.W. to 20 in Ireland N., and to only 9 in Scotland N.

Barometer and Wind.—During the early days of the week the type of pressure distribution was Westerly, and the winds from that quarter were strong to a gale on several parts of our coasts. By Wednesday, however, a large anticyclone had appeared in the west, and the wind shifted to the Northward, from which quarter it blew freshly or strongly. Towards the end of the period light Southerly to Westerly winds had appeared on our western and south-western coasts as the anticyclone extended north-eastwards to Scandinavia, but a Northerly or North-Easterly current continued over the east and south of England.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* page 36.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Moderate	Light	Light	Moderate	Light	Light	Moderate	Light	Light
	Sunshine ...	Scanty	Abundant	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906–7. 9 weeks from Dec. 2nd, 1906.	Warmth ...	4 * 5	4 * 5	2 * 5	2 * 4	2 * 3	2 * 4	4 * 5	2 * 4	0 * 5	3 * 3	2 * 5	1 * 5
	Rainfall ...	3 * 1	2 * 5	1 * 4	2 * 4	1 * 5	1 * 6	1 * 4	3 * 5	1 * 4	2 * 4	1 * 7	2 * 6
	Sunshine ...	0 * 4	5 * 0	7 * 1	3 * 0	4 * 1	4 * 1	2 * 3	4 * 1	4 * 2	1 * 3	1 * 3	1 * 2

PAST SEASONS.

WINTER, 1905–6. Dec 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 * 0
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	* 4	4 * 4	4 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (5th)—January 27th to February 2nd, 1907.

DISTRICTS. (See p. 35.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	49	12	40·3	28·3	34·5	− 3·5	0	− 7	53	+ 17	6	0	1·71	+0·41	5	− 4	9	− 6
Eastern																		
1. SCOTLAND, EAST	49	5	39·9	26·2	33·3	− 4·6	0	− 9	61	+ 21	4	0	0·59	+0·02	17	+ 4	30	+ 6
2. ENGLAND, N.E.	50	20	40·4	28·8	34·8	− 4·4	0	− 10	50	+ 19	4	− 1	0·36	0·00	20	+ 6	33	+11
3. ENGLAND, EAST	50	14	40·3	28·6	34·7	− 4·2	0	− 10	51	+ 17	4	0	0·26	−0·13	20	+ 3	32	+ 5
4. MIDLAND COUNTIES	50	15	41·3	28·6	35·2	− 3·9	0	− 12	48	+ 14	2	− 2	0·21	−0·30	23	+ 9	37	+15
5. ENGLAND, SOUTH	51	18	41·4	30·0	35·9	− 4·5	0	− 14	43	+ 18	2	− 3	0·09	−0·44	22	+ 8	35	+13
Western																		
6. SCOTLAND, WEST	49	16	41·1	29·6	35·6	− 4·2	0	− 11	45	+ 19	4	0	0·73	−0·30	17	+ 6	29	+10
7. ENGLAND, N.W.	52	16	41·0	29·9	35·7	− 4·3	0	− 11	44	+ 19	3	− 2	0·41	−0·29	21	+ 10	35	+16
8. ENGLAND, S.W...	51	11	42·6	31·4	37·2	− 4·4	2	− 15	39	+ 19	4	− 1	0·38	−0·44	25	+ 10	40	+16
9. IRELAND, NORTH	52	28	44·2	34·7	39·6	− 1·1	6	− 8	28	+ 5	5	0	0·58	−0·19	12	0	20	0
10. IRELAND, SOUTH	55	27	46·5	35·9	41·4	− 1·0	13	− 8	26	+ 9	5	+ 1	0·38	−0·44	14	0	22	0
11. CHANNEL ISLANDS	52	32	46·0	39·0	42·6	− 1·8	17	− 7	8	0	3	− 2	0·30	−0·36	25	+ 7	38	+11

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 9 Weeks, December 2nd, 1906, to February 2nd, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	93	+ 23	339	+ 59	51	+ 4	11·95	+0·34	31	− 20	7	− 5
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	92	+ 23	393	+ 69	31	− 6	3·86	−1·58	90	+ 10	20	+ 2
2. ENGLAND, N.E...	56	15	*	*	*	*	63	− 19	355	+ 80	30	− 3	3·04	−0·91	122	+ 45	26	+ 9
3. ENGLAND, EAST	56	10	*	*	*	*	51	− 34	383	+ 69	28	− 6	3·41	−0·44	121	+ 25	24	+ 5
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	70	− 29	358	+ 38	27	− 7	3·19	−1·35	115	+ 29	23	+ 6
5. ENGLAND, SOUTH	56	3	*	*	*	*	78	− 52	303	+ 69	27	− 6	2·97	−2·00	126	+ 27	25	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	90	− 16	262	+ 45	40	0	8·02	−2·30	66	− 4	14	− 1
7. ENGLAND, N.W...	57	14	*	*	*	*	83	− 22	260	+ 37	37	0	5·26	−1·12	93	+ 23	19	+ 5
8. ENGLAND, SW.	56	5	*	*	*	*	101	− 67	238	+ 67	36	− 3	5·50	−2·53	125	+ 19	25	+ 4
9. IRELAND, NORTH	56	8	*	*	*	*	116	− 13	190	− 5	43	− 1	6·06	−1·28	75	− 9	16	− 2
10. IRELAND, SOUTH	57	11	*	*	*	*	165	− 32	176	+ 24	38	− 2	4·33	−4·20	80	− 22	16	− 5
11. CHANNEL ISLANDS	56	21	*	*	*	*	196	− 62	64	+ 7	40	− 3	4·77	−2·38	118	− 5	23	− 1

THE YEAR.—Aggregates, &c., for the period of 5 Weeks, December 30th, 1906, to February 2nd, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	39	+ 5	180	+ 13	27	0	6·48	+0·35	23	− 8	9	− 3
Eastern																		
1. SCOTLAND, EAST	56	5	*	*	*	*	37	+ 1	225	+ 35	15	− 5	1·67	−1·09	51	+ 8	22	+ 3
2. ENGLAND, N.E...	52	15	*	*	*	*	31	− 10	195	+ 30	13	− 6	0·94	−1·04	81	+ 34	29	+13
3. ENGLAND, EAST	52	10	*	*	*	*	21	− 22	212	+ 24	12	− 7	1·45	−0·56	79	+ 17	28	+ 6
4. MIDLAND COUNTIES.. ..	53	10	*	*	*	*	34	− 18	206	+ 20	11	− 8	1·15	−1·28	68	+ 17	24	+ 6
5. ENGLAND, SOUTH	52	16	*	*	*	*	44	− 17	167	+ 25	10	− 9	1·33	−1·24	74	+ 16	25	+ 6
Western																		
6. SCOTLAND, WEST	53	16	*	*	*	*	39	− 13	134	+ 4	21	− 2	3·58	−1·81	36	− 8	13	− 3
7. ENGLAND, N.W.	53	15	*	*	*	*	38	− 12	149	+ 15	18	− 3	2·01	−1·41	57	+ 14	21	+ 5
8. ENGLAND, S.W...	54	5	*	*	*	*	49	− 35	145	+ 41	20	− 2	2·49	−1·68	75	+ 13	26	+ 5
9. IRELAND, NORTH	53	16	*	*	*	*	55	− 12	102	− 14	23	− 1	2·59	−1·32	41	− 9	15	− 3
10. IRELAND, SOUTH	56	11	*	*	*	*	89	− 14	104	+ 18	19	− 3	1·71	−2·78	43	− 16	15	− 6
11. ENGLISH CHANNEL	53	21	*	*	*	*	99	− 26	39	0	19	− 5	1·84	−1·58	73	− 1	24	0

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

January 27–February 2, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	44	23	39·6	29·9	34·9	– 3·6	0	50	6	1·24	+ 0·45	1·9	– 8·1	4	– 15
	Stornoway	46	27	41·0	31·9	36·6	– 2·5	0	38	7	0·91	– 0·17	2·5	– 8·4	5	– 15
0. SCOTLAND, N. — Mainland.	Wick	42	22	39·1	28·4	34·0	– 4·1	0	56	5	1·15	+ 0·63	*	*	*	*
	†Lairg (Strathpeffer)												8·6	– 2·8	15	– 5
	Glencarron	48	18	40·7	27·2	34·2	– 3·0	0	55	6	2·97	+ 0·94	*	*	*	*
	Fort Augustus	47	12	40·2	24·7	32·8	– 5·5	0	64	6	2·03	+ 0·89	6·1	– 1·0	11	– 2
	Fort-William	49	15	41·0	27·7	34·6	– 4·3	0	52	6	1·94	– 0·01	*	*	*	*
1. SCOTLAND, E.	Nairn	46	18	40·6	25·9	33·5	– 4·1	0	60	5	0·90	+ 0·50	8·0	—	14	—
	Aberdeen	47	24	40·1	28·4	34·5	– 3·4	0	53	5	0·42	– 0·10	20·5	+ 6·1	36	+ 11
	†Balmoral (Crathes)	44	5	36·6	23·4	30·3	– 4·3	0	82	4	0·79	+ 0·12	21·8	—	38	—
	†Clathick (Balruddery)	49	16	41·0	25·0	33·3	– 4·3	0	61	2	0·93	+ 0·01	22·1	—	38	—
	†Leith (Edinburgh)	49	23	41·6	29·1	35·6	– 4·0	0	45	3	0·30	– 0·08	14·3	+ 3·9	25	+ 7
	Marchmont	48	18	39·4	25·4	32·7	– 4·3	0	65	2	0·22	– 0·33	17·6	+ 4·3	30	+ 7
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	46	21	40·1	26·8	33·7	– 4·7	0	58	3	0·42	– 0·11	27·9	—	47	—
	†Shields (Newcastle)	50	23	40·4	27·0	34·0	– 5·1	0	56	4	0·19	– 0·18	11·5	+ 2·4	20	+ 4
	Durham	48	20	39·9	28·1	34·2	– 3·5	0	55	3	0·27	– 0·12	21·5	+ 8·4	36	+ 14
	Scarborough	47	25	41·3	31·3	36·5	– 2·5	0	39	4	0·88	+ 0·44	13·4	—	22	—
	York	49	22	40·5	29·8	35·4	– 3·2	0	46	4	0·36	– 0·04	10·8	+ 0·5	18	+ 1
2. ENGLAND, N.E. — Southern part.	Spurn Head	45	28	40·1	31·4	35·9	– 2·9	0	43	5	0·31	+ 0·03	—	—	—	—
	†Lincoln (Skegness)	47	24	40·2	28·4	34·5	– 3·4	0	53	5	0·33	– 0·04	18·4	—	30	—
	†Fulbeck (Rauceby)	47	23	40·4	27·8	34·4	– 3·2	0	53	2	0·14	– 0·24	25·2	—	41	—
3. ENGLAND, E. — Northern part.	Hillington	46	17	39·6	25·2	32·7	– 5·1	0	65	5	0·38	– 0·05	16·1	+ 1·8	26	+ 3
	†Yarmouth (Lowestoft)	44	17	39·4	28·4	34·1	– 4·0	0	55	5	0·31	– 0·06	28·2	—	46	—
	Geldeston	47	14	41·1	28·4	35·0	– 3·7	0	49	7	0·53	+ 0·18	19·9	+ 4·7	32	+ 8
	(Cromer)												26·4	—	43	—
3. ENGLAND, E. — Southern part.	Cambridge	48	20	40·4	28·7	34·8	– 3·7	0	50	4	0·25	– 0·08	16·3	+ 1·3	26	+ 2
	Felixstowe	44	20	39·4	29·1	34·5	– 4·6	0	53	4	0·30	—	22·9	—	37	—
	Clacton-on-Sea	47	21	39·9	29·3	34·8	– 4·3	0	50	3	0·18	—	22·9	—	37	—
	Rothamsted	49	18	40·4	27·0	34·0	– 4·2	0	56	4	0·18	– 0·30	19·2	+ 5·2	31	+ 8
	†Shoeburyness (Southend)	48	23	41·1	29·7	35·6	– 3·6	0	45	3	0·10	– 0·20	23·0	—	37	—
	London, Westminster	50	24	41·7	31·3	36·7	– 3·4	0	37	2	0·10	– 0·30	12·5	+ 6·1	20	+ 10
	(Dunmow)												11·9	—	19	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	46	26	39·7	30·3	35·2	– 2·4	0	48	3	0·68	+ 0·17	25·2	—	42	—
	†Bawtry (Worksop)	49	20	42·1	28·7	35·7	– 2·9	0	49	2	0·18	– 0·19	21·3	+ 10·2	35	+ 17
	Nottingham	48	21	41·9	29·1	35·8	– 2·7	0	43	2	0·28	– 0·12	16·8	—	28	—
	Colly Weston	49	19	42·4	27·1	35·1	– 3·2	1	55	2	0·23	– 0·13	*	*	*	*
	Birmingham, Edgbaston	48	24	40·3	29·8	35·3	– 3·2	0	47	2	0·11	– 0·33	14·3	—	23	—
	Oxford	49	21	41·9	28·9	35·7	– 3·4	0	44	3	0·12	– 0·31	28·5	+ 14·7	46	+ 24
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	43	24	39·0	28·8	34·1	– 3·2	0	55	3	0·23	– 0·33	19·3	—	32	—
	Shrewsbury	50	15	43·1	27·9	35·8	– 3·6	3	52	2	0·13	—	*	*	*	*
	Hereford	50	18	41·4	28·2	35·1	– 4·1	0	48	2	0·16	– 0·36	*	*	*	*
	Cirencester	48	17	40·2	27·3	34·0	– 4·1	0	56	2	0·02	– 0·54	27·7	+ 18·3	45	+ 30
	Bath	50	18	42·6	28·6	35·9	– 4·3	2	49	3	0·14	– 0·40	29·1	—	47	—
	(Margate)												16·4	+ 2·0	27	+ 3
5. ENGLAND, S	Kew	50	23	41·6	30·9	36·5	– 3·0	0	39	2	0·08	– 0·32	17·3	+ 5·6	28	+ 9
	Wisley, Surrey	50	22	40·7	29·1	35·1	– 3·7	0	48	2	0·02	—	18·2	—	29	—
	†Swarraton (Ventnor)	49	19	40·6	27·4	34·3	– 3·9	0	54	2	0·12	– 0·50	28·5	+ 12·0	45	+ 19
	Tunbridge Wells	47	18	39·6	28·3	34·2	– 4·2	0	55	3	0·08	– 0·48	18·1	+ 4·4	29	+ 7
	†Dungeness (Littlestone)	45	18	40·6	28·9	35·0	– 4·7	0	49	2	0·06	– 0·40	23·9	—	38	—
	Hastings	48	23	41·2	29·6	35·6	– 4·2	0	45	2	0·14	– 0·39	29·6	+ 12·4	47	+ 20
	Southampton	51	25	44·1	31·1	37·9	– 2·7	6	42	2	0·11	– 0·47	28·6	+ 13·3	45	+ 21
	†Portland Bill (Worthing)	48	31	42·7	34·6	38·8	– 2·3	2	27	4	0·08	—	22·9	—	36	—
	(Eastbourne)												24·9	+ 9·1	40	+ 14
6. SCOTLAND, W.	†Laudale (Oban)	49	23	42·3	30·6	36·7	– 3·4	1	42	5	1·45	– 0·31	13·2	—	23	—
	Glasgow	49	22	40·3	29·6	35·2	– 3·8	0	48	3	0·58	– 0·17	10·9	+ 2·9	19	+ 5
	Dumfries	49	18	39·5	27·9	33·9	– 5·1	0	57	3	0·60	– 0·33	*	*	*	*
	Cally	46	16	39·7	28·9	34·5	– 4·3	0	53	4	0·85	– 0·18	*	*	*	*
	Douglas, Isle of Man	49	24	43·7	31·2	37·7	– 2·9	5	41	5	0·19	– 0·65	27·4	+ 13·2	46	+ 22
7. ENGLAND, N.W.	Aspatria	46	20	38·6	26·7	32·9	– 5·0	0	64	3	0·44	– 0·16	19·3	—	33	—
	Newton Rigg	46	16	38·7	25·1	32·2	– 5·0	0	69	3	0·59	– 0·19	22·4	+ 10·4	38	+ 18
	Stonyhurst	45	21	38·7	28·4	33·8	– 4·7	0	57	3	0·65	– 0·21	17·6	+ 6·4	29	+ 11
	Blackpool	47	22	40·8	29·7	35·5	– 3·3	0	46	2	0·23	– 0·34	22·0	+ 9·9	37	+ 17
	Manchester, Prestwich	49	23	40·9	29·4	35·4	– 3·2	0	46	3	0·66	+ 0·03	16·7	+ 9·5	27	+ 16
	†Liverpool Obs. (Hoylake)	52	27	41·1	30·7	36·1	– 3·7	0	41	4	0·18	– 0·27	23·7	—	39	—
	†Hawarden Bridge (Southport)	52	23	42·0	29·1	35·8	– 5·0	0	43	4	0·31	– 0·06	21·2	+ 8·8	35	+ 15
NORTH WALES	Llandudno	48	28	42·6	34·2	38·6	– 3·0	2	29	3	0·34	– 0·22	24·7	+ 10·6	41	+ 17
	†Holyhead (Aberdovey)	50	30	43·1	35·0	39·2	– 2·6	3	26	4	0·41	– 0·23	23·9	—	39	—
	Bettws-y-Coed	52	21	43·7	30·7	37·5	– 3·4	5	43	4	0·30	—	18·6	—	31	—
8. SOUTH WALES	Llangammarch Wells	49	11	39·9	25·9	33·2	– 5·0	0	62	4	0·66	—	17·0	—	27	—
	Pembroke	50	31	44·9	37·1	41·2	– 1·3	8	21	3	0·20	– 0·53	24·7	+ 9·4	40	+ 15
	†Cardiff (Aberystwyth)	49	19	42·8	28·4	35·9	– 4·7	2	50	3	0·35	– 0·48	24·0	—	39	—
8. ENGLAND, S.W.	†Clifton (Torquay)	49	23	41·3	30·5	36·1	– 4·1	0	41	3	0·19	– 0·44	32·2	+ 16·2	51	+ 26
	†Shaftesbury (Marlborough)	47	26	39·5	29·6	34·8	– 3·3	0	50	3	0·06	– 0·55	24·2	+ 12·0	39	+ 19
	†Arlington (Newquay)	47	23	41·7	30·9	36·5	– 3·9	0	39	6	0·78	– 0·21	27·3	+ 11·3	43	+ 18
	Cullompton	50	21	43·1	30·1	36·9	– 3·7	3	45	4	0·54	– 0·19	23·3	+ 9·6	37	+ 15
	Plymouth	50	27	44·7	34·0	39·6	– 3·0	8	32	5	0·28	– 0·47	28·5	+ 12·9	45	+ 20
	Falmouth	51	31	45·2	36·0	40·8	– 2·9	9	25	3	0·33	– 0·67	30·3	+ 13·5	48	+ 21
9. IRELAND, N. — Western part.	Malin Head	48	33	44·0	35·7	40·0	– 1·5	6	25	4	0·63	+ 0·07	*	*	*	*
	Edenfel	49	28	43·1	32·6	38·1	– 0·6	3	35	5	0·37	– 0·36	*	*	*	*
	Blacksod Point	50	33	47·1	38·4	42·9	– 0·1	21	10	6	0·49	– 0·51	*	*	*	*
	Markree Castle	52	32	44·4	35·3	40·0	– 0·2	7	26	6	0·98	+ 0·19	9·5	– 3·0	16	– 5
9. IRELAND, N. — Eastern part.	Armagh	49	29	42·7	33·4	38·2	– 1·5	2	32	4	0·43	– 0·13	14·3	+ 1·6	24	+ 3
	Donaghadee	49	28	44·1	32·6	38·6	– 2·2	6	36	4	0·55	– 0·02	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	54	29	45·1	34·4	40·0	– 2·0	9	31	3	0·12	– 0·38	19·0	+ 3·5	31	+ 6
	Kilkenny	52	27	44·3	32·9	38·8	– 2·4	6	35	3	0·25	– 0·46	*	*	*	*
	Waterford	54	27	46·3	34·5	40·6	– 1·1	12	31	3	0·12	– 0·77	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	52	29	44·9	33·9	39·6	– 0·8	8	32	5	0·17	– 0·43	11·2	– 2·6	18	– 4
	Foynes	51	33	47·3	37·0	42·4	+ 0·2	24	14	7	0·59	– 0·18	*	*	*	*
	Killarney	55	31	49·3	36·9	43·4	– 0·1	31	14	6	0·63	– 0·70	*	*	*	*
	Valencia	52	32	48·6	39·9	44·4	– 0·4	26	6	7	0·84	– 0·45	9·4	– 5·2	15	– 8
	†Roches Point (Ballinacurra)	52	34	46·1	38·0	42·2	– 1·6	18	11	6	0·31	– 0·75	15·5	—	25	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	52	38	48·4	42·6	45·6	– 0·1	25	0	2	0·04	– 0·69	22·2	+ 4·9	35	+ 8
	†Jersey, St. Aubins (St. Heliers)	51	32	45·4	36·9	41·3	– 1·5	10	21	4	0·36	– 0·30	27·3	+ 8·2	43	+ 13
	Guernsey	50	33	44·2	37·4	40·9	– 2·5	6	18	4	0·50	– 0·24	24·3	+ 7·7	38	+ 12

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 21·5 hrs., 34 %; Brighton, 20·3 hrs. (+ 4·3), 32 % (+ 8 %); Bournemouth, 30·7 hrs., 49 %; Bognor, 26·0 hrs., 41 %; Rhyl, 25·5 hrs., 42 %; Tenby, 25·0 hrs. (+ 8·6), 40 % (+ 14 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	38·8
	Crathes	7	20	33·3	37·2
	Marchmont ..	—	—	33·7	—
	— — ..				
2.	Cockle Park	6	18	33·9	38·4
	York	—	—	35·7	40·7
	Hull	6	17	34·4	40·4
	Lincoln	—	—	33·1	40·4
3.	Cambridge	7	12	34·1	40·8
	Dunmow	7	14	—	—
	Clacton-on-Sea ..	6	16	35·6	42·2

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	7	13	36·2	38·7
	Sheffield	6	12	34·6	40·8
	— — ..				
	Birmingham	7	9	35·9	43·6
	Nottingham	6	18	32·8	38·5
	— — ..				
5.	Kew	5	11	34·1	42·1
	Canterbury ..	5	10	35·3	42·9
	Portsmouth	5	21	36·7	43·4
	Wisley	—	—	34·9	41·3
6.	— — ..				
	Glasgow	6	15	—	—
	— — ..				

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	6	8	35·5	40·2
	Southport	6	15	33·8	39·6
	Bettws-y-Coed ..	4	21	36·6	42·7
	Manchester City ..	6	21	34·2	41·9
	— — ..				
8.	Llangammarch Wells	5	4	35·7	43·1
	Bath	—	—	37·0	43·9
	Plymouth	5	19	38·3	—
	— — ..				
9.	Armagh	4	24	38·0	42·9
	Markree Castle ..	3	29	—	—
10.	Dublin, Trin. Coll. ..	5	21	39·0	43·2
11.	Guernsey, Brooklyn	4	26	40·8	45·0

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	42·1
	Kirkwall	41	32	36·5
	Wick	?	?	?
SCOTLAND, E.	Cromarty	38	35	36·5
	Pennan Bay	39	38	38·7
	Aberdeen, Cove Bay ..	?40	37	38·3
ENGLAND, N.E.	Burnmouth, Berwick ..	40	37	39·0
	Scarborough	41	33	38·2
ENGLAND, E.	Shipwash Lightship ..	38	37	37·2
ENGLAND, S.E.	Eastbourne‡	38	34	35·7

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	44	42	43·6
	Ballantrae	43	40	41·5
ENGLAND, N.W.	Port Erin	46	43	44·3
ENGLAND, S.W.	Newquay	45	39	43·2
	Plymouth‡	46	43	45·2
	Salcombe	44	41	43·4
IRELAND, N.W.	Sheephaven	45	43	44·4
	Ballyglass	48	40	44·2
IRELAND, S.W.	Cleggan	46	43	44·7
	Seafield	47	42	45·0
IRELAND, E.	Kingstown‡	42	40	40·9

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

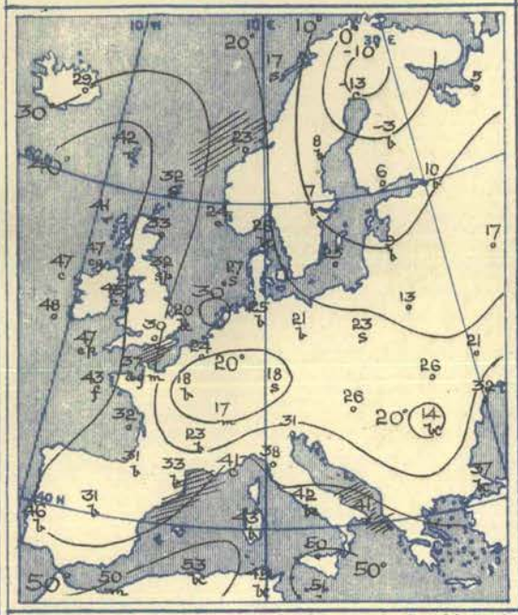
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

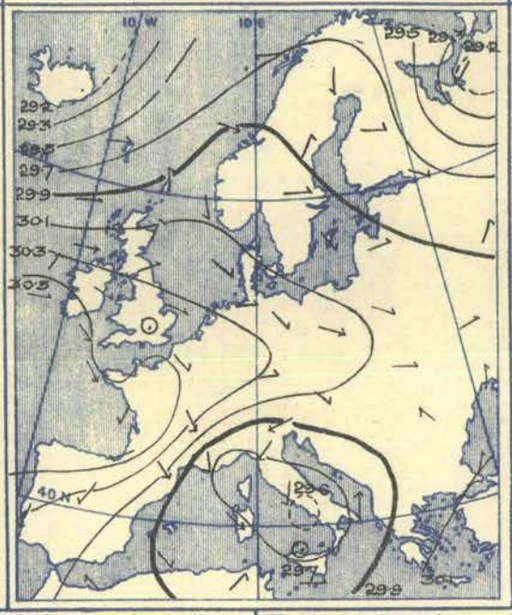
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 27th January, 1907.

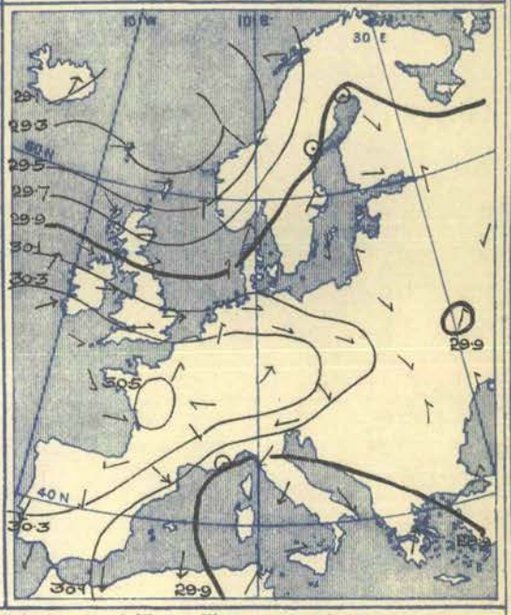
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula, in many other southern localities, and at several isolated stations elsewhere; cloudy or quite overcast generally, with rain or showers at Brindisi and on our south-west coasts and at Thorshavn, and snow at Sumburgh Head, Fanö, Memel, and Bodö. Rain becoming very general over these Islands during the ensuing twenty-four hours, and rain or snow falling in many parts of the Continent and in Algeria.

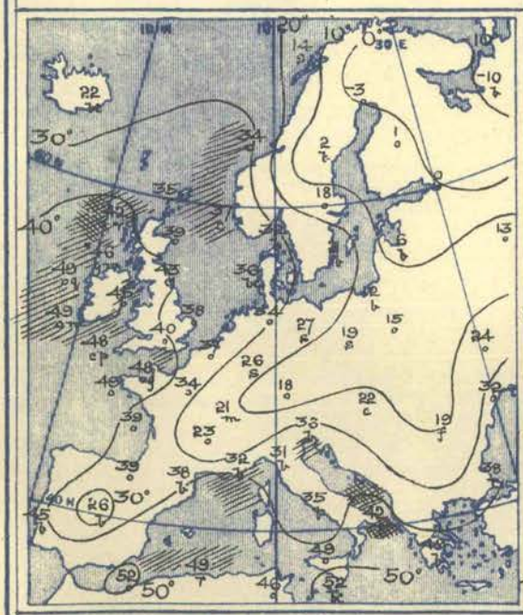
Temperature risen over the United Kingdom, fallen in almost all Continental localities. Readings in morning above 45° on our western and south-western coasts, but a little below 32° over the major portion of England. Much below the freezing point over nearly the whole of the Continent; below 10° at many northern stations, and as low as -13° at Haparanda. Thermometer rising very decidedly over our Islands during day and a thaw becoming general. Continuing cold on the Continent, but maxima of 50° and above recorded in several Mediterranean regions, and a reading of 63° at Nemours.

Wind in morning moderate or light from North-West or West over our Islands generally, and drawing into the Southward in the north of Scotland. Light and rather variable breezes prevailing over the eastern half of our area, and a cyclonic circulation over Italy and the surrounding regions. North-Westerly current high in the south-east of France and at Cagliari, and that from East-North-East blowing a strong breeze at Trieste. A very strong or high wind from West or North-West setting in later on our west and north-west coasts, a Southerly gale at Skudesnaes, and a South-Westerly gale at Seydisfjord.

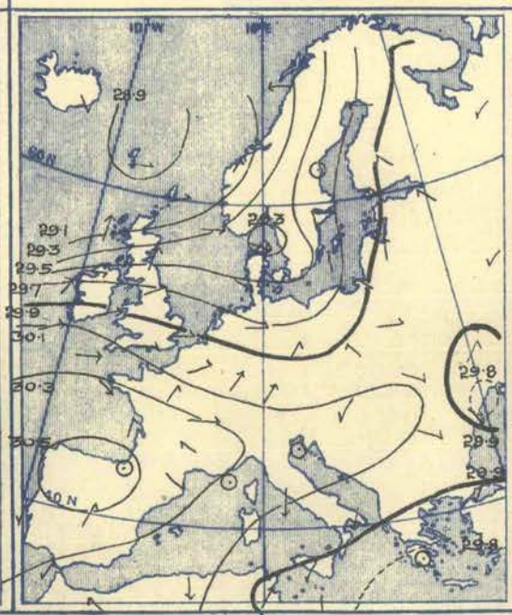
Barometer in morning ranging from above 30·5 ins. in an anticyclone extending from the Atlantic to the west of France, to below 29·2 ins. in depressions having their minima over the White Sea region and near Seydisfjord. Below 29·6 ins. in another disturbance over Italy, and relatively low in a small secondary over Brittany. Pressure giving way very briskly during day over the north of these Islands and Norway, rising quickly over the north of Russia. Italian depression travelling away south-eastwards.

Monday, 28th January, 1907.

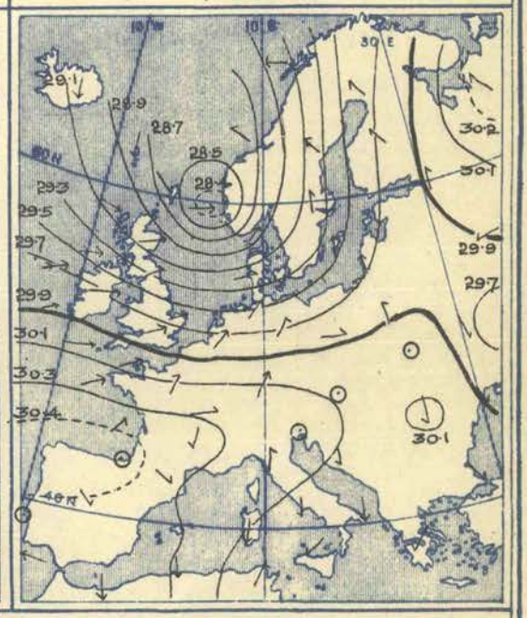
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very fine and bright in nearly all parts of southern Europe and in a few scattered localities elsewhere. Overcast generally, with rain at some of our own northern stations and snow at Bodö and at several stations in central Europe. Rain falling on the Algerian coast, as well as at Brindisi and Constantinople. Various amounts of rain experienced later over the United Kingdom, and thunderstorms in some parts of Scotland. Rather heavy snow falling in South Russia and at some Scandinavian stations.

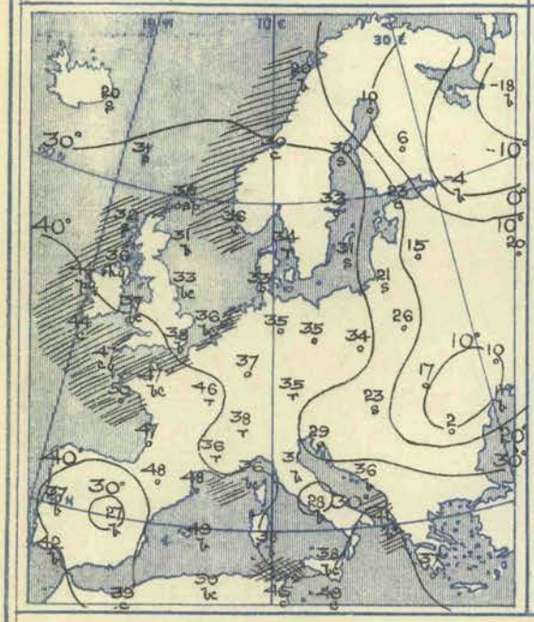
Temperature risen over our Islands and most parts of Scandinavia; fallen or changed irregularly as a whole. Readings in morning below zero in the extreme north-east of our area, and below the freezing point over the greater portion of the European mainland. Above 40° in nearly all parts of these Islands, and above 50° at one or two stations in the far south of our area. Maxima during day 50° in London and at some of our other stations; below 50° over Italy and at most stations in the south of France, and below 32° at Turin and over the north-east and east of Europe.

Wind in morning mainly Westerly and South-Westerly over the northern half of our area, and between North and East in the south. A cyclonic circulation shown around the Skager Rack, and also in the south of Russia. Strong or fresh breezes prevailing over the greater portion of these Islands and Norway, with a gale at Malin Head. Westerly current increasing to a gale on several parts of our coasts by evening and to a whole gale in the south-west of Norway. A Northerly gale springing up at Seydisfjord.

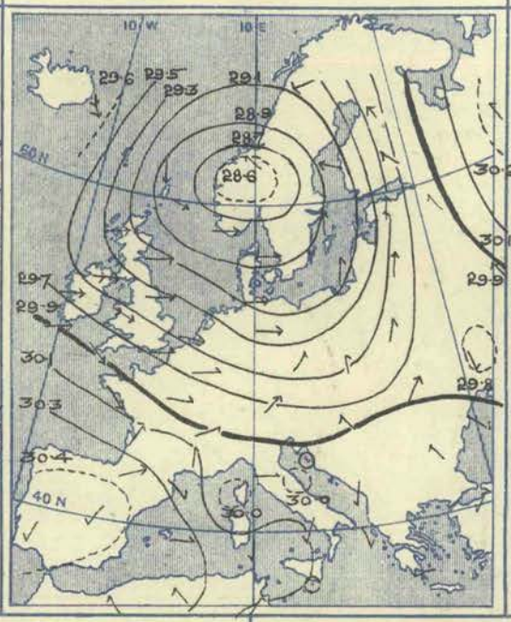
Barometer in morning highest, above 30·5 ins., in an anticyclone centred over the north of Spain and the adjacent part of the Bay. Lowest, 28·9 ins. in a large depression between Shetland and Iceland, and relatively low in other disturbances over the Cattegat and the south of Russia. Gradients steep or rather so over the north-western countries generally. Northern depression travelling south-eastwards and apparently growing deeper during day and gradients increasing over the North Sea and Scandinavia. No important change taking place in the general distribution.

Tuesday, 29th January, 1907.

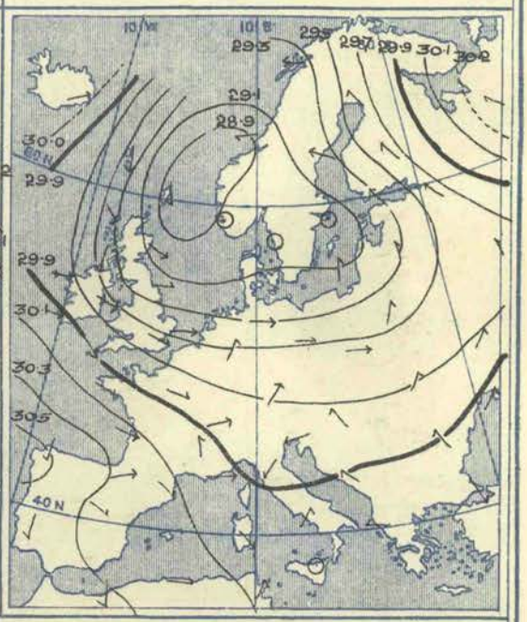
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over most parts of southern Europe and the United Kingdom, but showers of rain or snow reported at some of our stations. Cloudy or overcast over most of the Continent, with snow at Buda-Pesth and in North Germany, and rain in various French localities, and also at Vienna and Constantinople. Squalls of snow experienced later in nearly all parts of these Islands and the nearer regions of the Continent, and heavy snow at Wisby. Thunderstorms occurring on some parts of our north-west coasts.

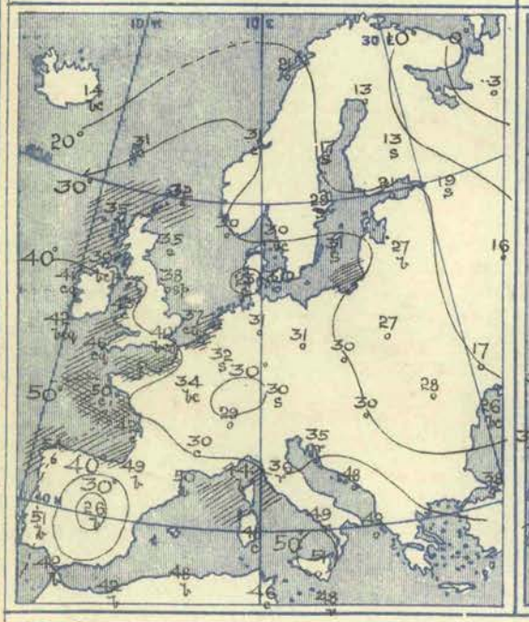
Temperature fallen decidedly over our Islands, risen over the major portion of the Continent. Readings in morning below 32° in parts of Scotland and over the north-eastern half of the Continent; below zero in the extreme north-east, and as low as -18° at Archangel. Thermometer marking nearly 50° in the far south of our area. Maxima during day above 45° on our south-west coasts and over the Mediterranean region, and as high as 50° in places. Frost continuing all day at Turin and in many parts of central and eastern Europe.

Wind in morning showing a vast cyclonic circulation around the west of Norway; fresh or strong in force from all points of the compass—a Westerly gale at some of our own stations, a Southerly gale over the Gulf of Finland, and a Northerly gale in Iceland. Little change later except a veering towards North-West over the United Kingdom. A severe gale experienced in the Orkneys. A North-Westerly gale setting in at Cagliari by 6 p.m. and a strong Westerly breeze in Corsica.

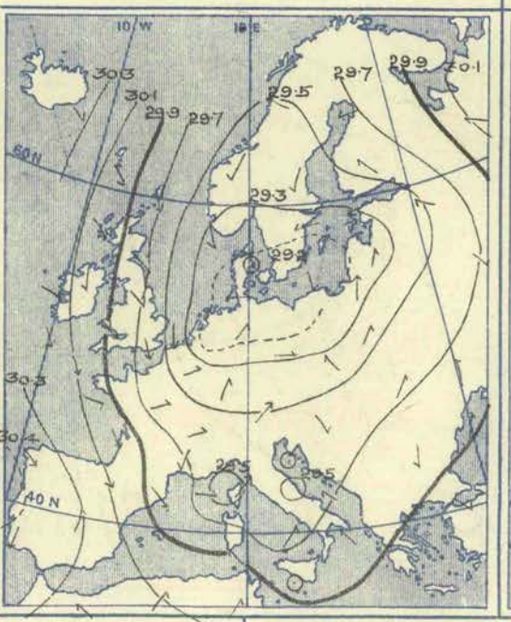
Barometer in morning ranging from above 30·4 ins. over Spain and Portugal and above 30·2 ins. in the far north of Russia to below 28·6 ins. in a very extensive depression having its minimum near Christiansund. Relatively low in smaller systems over the south and south-east of Europe. Gradients steepest between Faröe and Iceland and over the Baltic, Sweden, and Finland. Anticyclone retreating westwards later and northern depression remaining almost stationary and becoming less deep. Barometer rising briskly in Iceland.

Wednesday, 30th January, 1907.

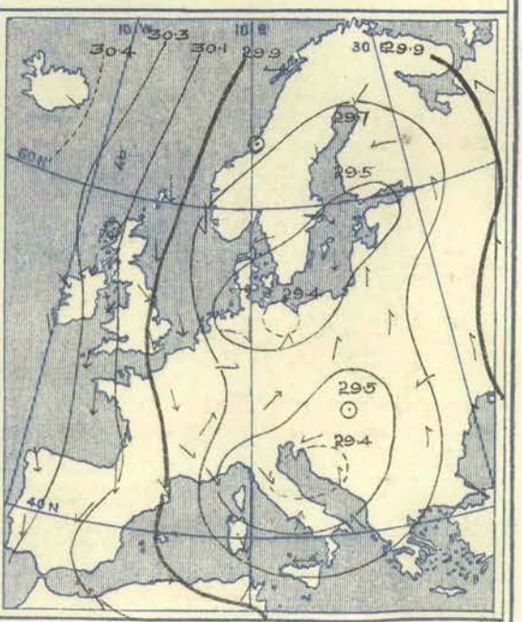
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine on most parts of the United Kingdom, but showers of rain or snow falling on the extreme north, north-east, and north-west coasts. Much cloud prevailing on the Continent, with rain at Biarritz, Bilbao, and in the north of Italy, and snow in some northern and central regions, as well as over the Low Countries. Snow showers during day in most parts of these Islands and over a large portion of the Continent—more than an inch at Buda-Pesth—and rather heavy rain on several shores of the Mediterranean.

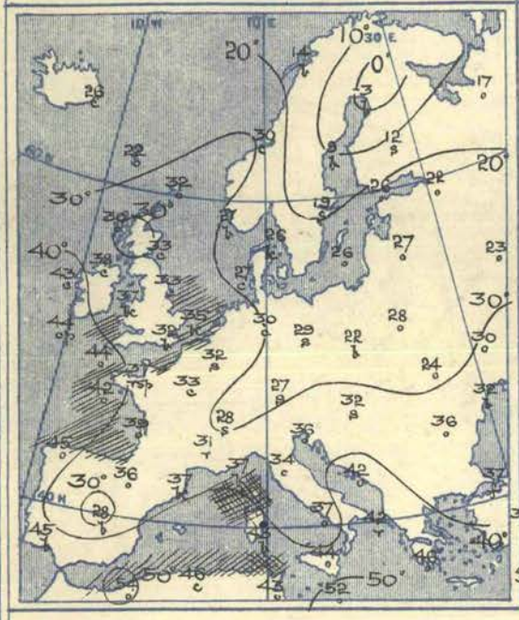
Temperature risen at most stations in the south of our area and over the greater part of Russia, and slightly over the British Isles; fallen elsewhere. Readings in morning, 54° at Corunna, 51° at Lisbon, and about 50° in several other southern localities; below 32° over the greater portion of the Continent, and as low as -3° at Archangel. Lowest value in our Islands, 32° at Nairn. Maxima during day as high as 66° at Nemours and above 55° at some other southern stations, but only about the freezing point over Central Europe. Thermometer remaining below 40° in the east of Great Britain.

Wind in morning showing two cyclonic circulations—one around the Gulf of Genoa, and a very extensive one around the Baltic region. Northerly current very strong over these Islands and France, with a gale at Holyhead, Portland Bill, and La Hève. A strong North-West gale blowing at Barcelona and strong breezes or high winds from West at some other stations in the Mediterranean. Decreasing in force during day in most regions, but increasing to a gale from North-West in Corsica, and continuing very strong from North over the Bay of Biscay.

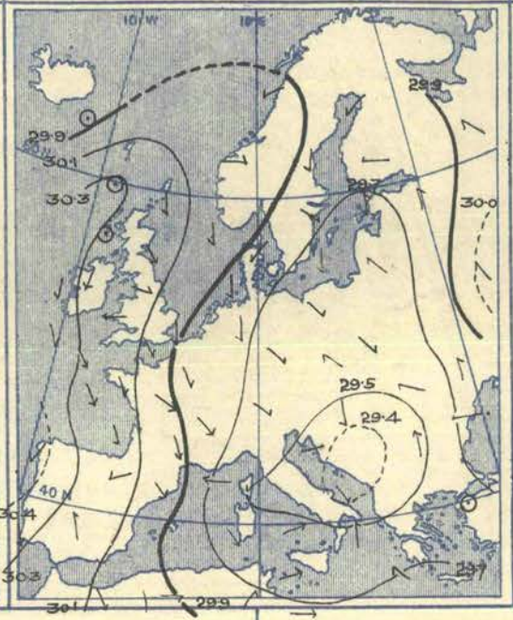
Barometer in morning 30·36 ins. in Iceland and about 30·4 ins. on the coast of Portugal; relatively high in the intervening regions, and no lower than 30·1 ins. at Archangel. Below 29·5 ins. over the Gulf of Genoa and less than 29·2 ins. in a large disturbance having its minimum not far from Copenhagen. Both systems moving in an easterly direction during day, and that in the north decreasing in intensity. Atlantic anticyclone extending gradually over the United Kingdom and gradients becoming less steep.

Thursday, 31st January, 1907.

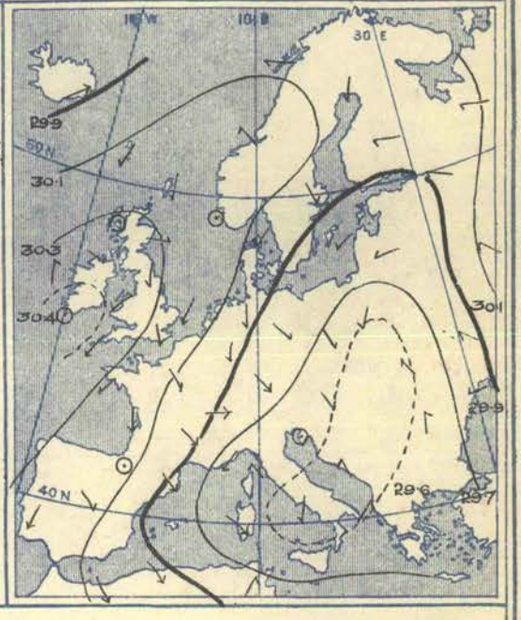
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over most of the United Kingdom, the Spanish Peninsula, and in some districts elsewhere; a good deal of cloud prevailing generally, rain at La Calle, and snow at Stockholm and Berlin, as well as in various places over the Netherlands, the east of France, and Austria-Hungary. Slight snow showers falling later in various parts of these Islands and much heavier quantities over the central countries of the Continent. An inch of rain experienced at Patras and La Calle.

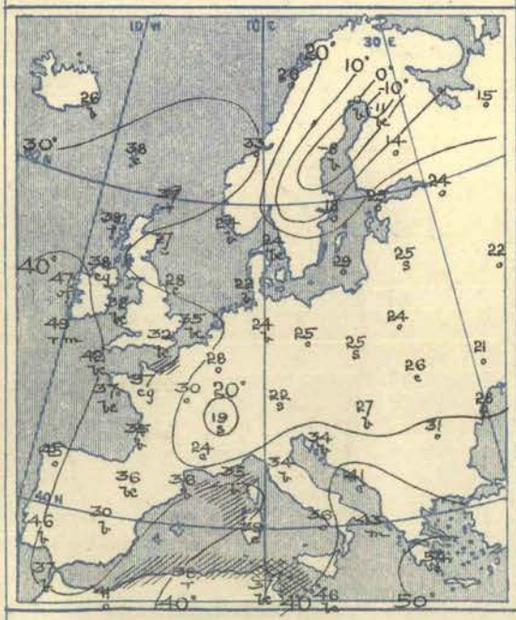
Temperature risen over Russia, fallen in almost all other regions. Readings in morning below 32° over the major portion of the Continent and in most parts of Great Britain and a little below zero in the north of Sweden. Above 40° on our extreme west and south-west coasts and in several parts of southern Europe and over Algeria, and as high as 52° at Malta and 54° at Oran. Frost continuing all day in some parts of Central Europe and throughout Russia and Scandinavia, and thermometer only touching 32° at Nairn, 33° at Darwen, and 34° at Birmingham. Maxima below 50° except in the far south of our area.

Wind in morning Northerly over all the western and north-western countries; light or moderate generally, but fresh at some of our own and the French stations. A cyclonic circulation of moderate to fresh winds prevailing over the south-east of the Continent. Light Westerly airs appearing later on our northern coasts, and Northerly current becoming rather less pronounced generally.

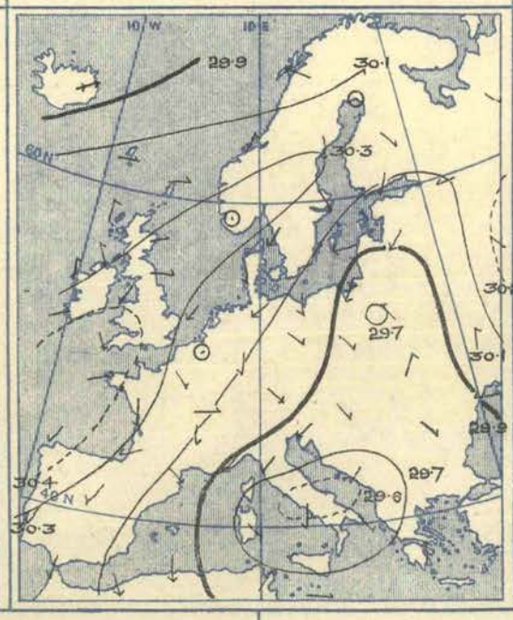
Barometer in morning above 30·4 ins. over the north-west of Spain and above 30·3 ins. in an area extending thence to the Faröes; relatively high (above 30·1 ins.) over central Russia. Below 29·4 ins. in a depression centred over Servia. Atlantic high pressure system travelling slowly eastwards during day and barometer falling somewhat in the Iceland region. Southern depression becoming rather less deep and much modified in form. Barometer rising steadily over Russia and Scandinavia.

Friday, 1st February, 1907.

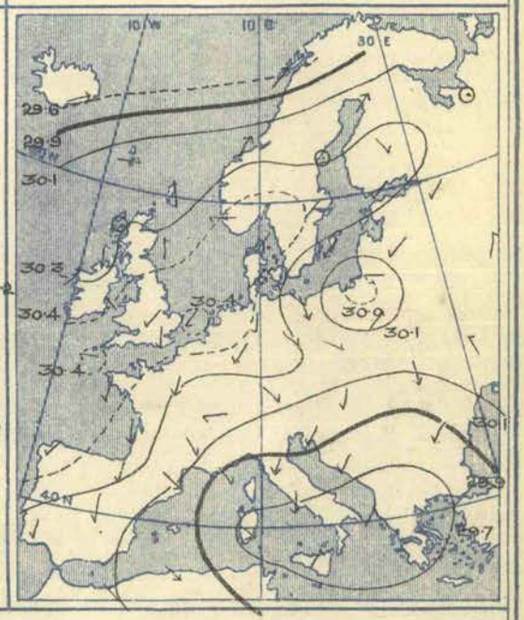
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying a good deal; fine and bright in several places, but cloudy or overcast as a whole, with rain in Ireland and the Hebrides, as well as on the Algerian coast and at Patras, and snow at Belfort and on the shores of the Baltic. Snow also falling at Aumale. A little rain experienced later in the north of Scotland and over Ireland, and slight quantities of rain or snow over some Continental districts. A thunderstorm occurring at Algiers at 6 p.m.

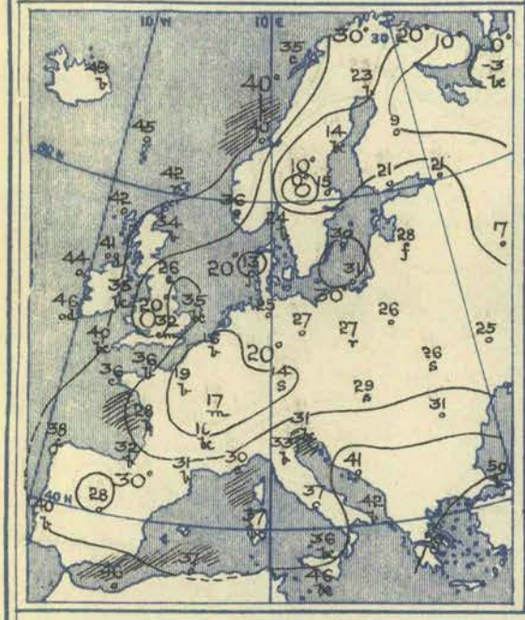
Temperature fallen in most regions, but changed rather irregularly as a whole. Readings in morning ranging from 54° at Athens and 49° on the south-west coast of Ireland to several degrees below the freezing point over Scotland and the greater portion of the Continent, and to -11° at Uleaborg. Thermometer only 37° at Tunis, 38° at Algiers, and 27° at Aumale. Maxima below the freezing point over the central countries, and below 50° over the greater part of Italy and in the south of France, and also at Algiers. Thermometer only rising to 35° at Blackpool and Skegness.

Wind in morning showing two cyclonic circulations—one over Poland and its vicinity, and the other over Italy and the surrounding regions. Little force generally, but Northerly current strong to a gale over the Baltic. A West-South-West gale prevailing at Seydisfjord, and light winds between South and West in the extreme north and west of these Islands. No general change later; gale subsiding over the Baltic.

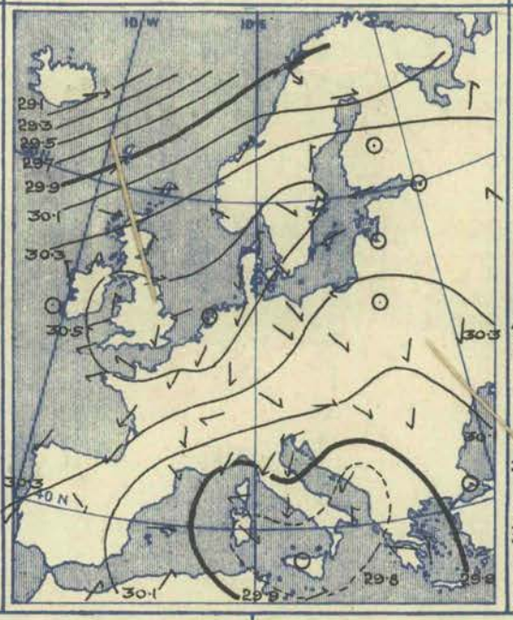
Barometer at 8 a.m. above 30·4 ins. over the Bay of Biscay and our south-western districts and above 30·3 ins. in an arm of high pressure extending thence to central Sweden. Below 29·7 ins. in a depression near Warsaw, and less than 29·6 ins. in another system over Italy. Below 29·9 ins. in Iceland. Pressure increasing slowly later within the anticyclonic region and briskly within the Polish cyclonic system. Little change taking place in the general distribution of pressure.

Saturday, 2nd February, 1907.

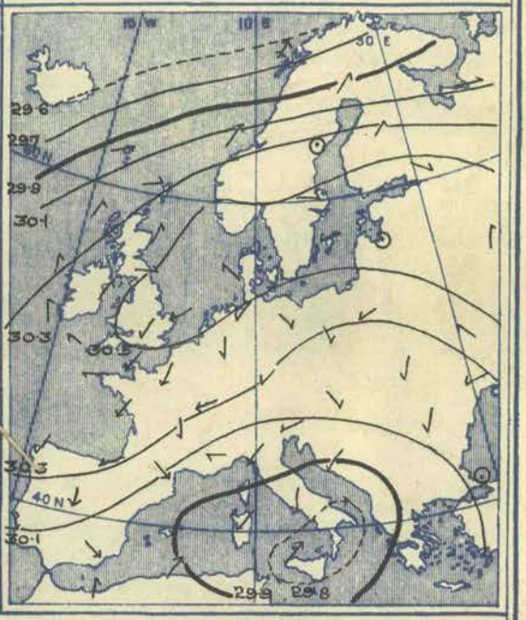
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fine and bright in many parts of the United Kingdom, France, and Portugal; cloudy or overcast over our area as a whole, with drizzling rain in the south-west of Ireland, and snow over a large portion of Central Europe, and also at Palma. Snow falling later on the coast of Algeria, considerable quantities being measured both at Nemours and Algiers. Slight snow also experienced in the east and south-east of England.

Temperature risen over Scandinavia, Scotland, and the east of Ireland, fallen elsewhere, briskly over central England and France. Readings in morning below 40° over the greater portion of the Mediterranean and below 32° over Europe as a whole. Between 40° and 50° over Ireland and the Icelandic region, and as high as 50° at Athens and Constantinople. Maxima during day above 32° over the United Kingdom generally, and nearly 50° on the west coast of Ireland. Frost continuing all day over a large portion of the Continent, and thermometer not rising to 50° at many southern stations.

Wind in morning South-Westerly over the north-western parts of our area and mainly between North and East over Europe generally. Fresh or strong at some stations in the south and also in Iceland. South Westerly current increasing to a strong gale later at Bodo and to a strong breeze on the coast of Norway generally. Little other change.

Barometer in morning ranging from above 30·5 ins. in an anticyclone with its central space covering England, Denmark, and the south of Scandinavia, to below 29·8 ins. in a depression over the south of Italy and its vicinity, and to 29·10 ins. at Seydisfjord. Gradients steepest between Iceland and Faröe and over the north of Italy. Anticyclone extending eastwards later, but no important change occurring in the general distribution of pressure Barometer rising decidedly in Iceland during day, and gradients in that neighbourhood becoming less steep.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria · 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
January 29th, 4.0 p.m. to 5.0 p.m.	Brighton, 380 ft.	Temperature F.	37°	33°						Wind very gusty, but steadier and less above. Cumulus not reached.
		Humidity	—	—						
		Wind Velocity, m. per hr.	N by W, —	N by W, —						
January 31st, 10.30 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	32°	20°						One kite, 60 square ft.; 2,100 ft. wire. Max. height, 2,200. At 2,200 feet, temperature 20°; wind, N by W, 48. Very gusty wind, clear sky. Temperature very irregular, at 1,700 ft. the temperature was 6° lower at 11.5 a.m. than at 10.55 a.m.
		Humidity	70%	80%						
		Wind Velocity, m. per hr.	NNW, 15	NW by W, 48						
February 1st, 4.6 p.m. to 4.21 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—	—	—			Pilot balloon ascent. Uniform ascensional velocity of 400 ft. per minute assumed. Balloon lost to sight at about 6,500 ft. Wind veering with height to about 5,000 ft. then backing a little. Cirrus clouds.
		Humidity	—	—	—	—	—			
		Wind Velocity, m. per hr.	N by E, 16	NNE, 19	NNE, 19	NE by N, 19	[N by E ½ E 23]			
February 2nd, 12.45 p.m. to 12.53 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—					Pilot balloon ascent. Uniform ascensional velocity of 400 ft. per minute assumed. Balloon reached cloud level at about 3,900 ft. Wind velocity increasing to about 22 miles per hour at 2,700 ft., and then decreasing to about 17 miles per hour just below cloud level. Sky overcast.
		Humidity	—	—	—					
		Wind Velocity, m. per hr.	N, 6	NE by E, 10	NE by E ½ E, 18					
February 2nd, 3.0 p.m. to 4.15 p.m.	Brighton, 380 ft.	Temperature F.	32·°5	26°						One kite, 60 square ft.; 3,850 ft. wire. Strato-cumulus and cirro-cumulus.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	ENE, 15	ENE, 25						

63, Victoria Street, London, S.W. *February 6th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 6. SIXTH WEEK, ENDING SATURDAY, FEBRUARY 9TH, 1907. [*Price 6d.*

Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was mostly fair and dry over England and the east of Scotland, and was frequently bright, although less settled, in Ireland and the north and west of Scotland. The precipitation was partly composed of hail and snow. On Saturday evening a brilliant auroral display was seen in most parts of the Kingdom, and as far south as Guernsey, but in the south-east of England a thick fog hid the phenomenon from view. A thunderstorm occurred at Malin Head on Saturday afternoon.

Temperature was much below the normal except in Scotland N. In England S. and S.W. the deficit was rather more than 7° and in several other parts of England between 5° and 6°. Over Ireland and the greater part of Scotland the deficit was about 4°, but in Scotland N. it was only 1·3°. As a general rule the highest of the maxima were recorded on the 9th, and the lowest of the minima much earlier in the week. The former ranged from 51° or 50° in the Midland Counties and in some parts of our south-western districts to 46° in England N.E. and Scotland N. and W. The latter were as low as 10° in England S.W. (at Llangammarch Wells on the 3rd), and 15° in the Midland Counties and England N.W. (at Cirencester and Newton Rigg) while elsewhere they ranged from 17° in Scotland E. to 22° in Ireland N., and to 27° in the English Channel. The lowest readings from thermometers on the grass were 4° at Llangammarch Wells, 6° at Birmingham, and 7° at Newton Rigg.

Mean Temperature of the Sea differed little generally from that of the preceding week; it was, however, rather higher on the north and north-east coasts of Scotland and lower in most other localities. The values ranged from 44° at some spots both off the north-west and south-west of England and at Sheephaven to about 37° off the east coast of England, and to 35° at Eastbourne.

Rainfall was moderate in most districts, but light in several parts of England.

Bright Sunshine was abundant, or very abundant, over most parts of the Western Section, and in Scotland N. and E., but only moderate over the major portion of England, and scanty in England E. and the English Channel. The percentage of the possible duration ranged from 46 in England N.E., 41 in Scotland N., and 40 in England N.W. and Ireland N., to 22 in the Midland Counties, 21 in the English Channel, and to 19 in England E.

Barometer and Wind.—As the week commenced pressure was highest in an anticyclone having its maximum over the Baltic region, and the winds over our Islands were light from between East and South. This system soon travelled away eastward, but another high pressure area came over these Islands from the Atlantic, and the wind became Westerly for a time over our northern districts, and Northerly in the south. The new system soon passed on, however, to the Continent, and the wind returned to the Southward on our western and northern coasts, and finally blew from that quarter in the east and south also, while a low pressure area from the westward spread slowly over these Islands and North Western Europe generally.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 44.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Very Deficient
	Rainfall ...	Moderate	Moderate	Light	Moderate	Light	Light	Moderate	Light	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Very Abundant	Very Abundant	Moderate	Scanty	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906–7. 10 weeks from Dec. 2nd, 1906.	Warmth ...	4 * 5	4 * 6	2 * 6	2 * 5	2 * 4	2 * 5	4 * 6	2 * 5	0 * 6	3 * 4	2 * 6	6 * 1
	Rainfall ...	2 * 1	2 * 5	1 * 5	2 * 4	1 * 6	1 * 7	1 * 4	3 * 6	1 * 4	2 * 4	1 * 7	2 * 6
	Sunshine ...	1 * 4	6 * 0	7 * 1	3 * 1	4 * 1	4 * 1	3 * 3	5 * 1	4 * 2	2 * 3	2 * 3	1 * 3

PAST SEASONS.

WINTER, 1905–6. Dec. 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 *
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (6th)—February 3rd to February 9th, 1907.

DISTRICTS. (See p. 43.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	46	20	40·7	31·5	36·1	− 1·3	0	− 6	41	+ 2	5	0	0·91	−0·22	25	+ 13	41	+22
Eastern																		
1. SCOTLAND, EAST	47	17	39·1	27·7	33·4	− 4·1	0	− 9	60	+ 18	3	− 1	0·32	−0·21	28	+ 11	46	+18
2. ENGLAND, N.E.	46	19	38·3	27·7	33·0	− 5·7	0	− 10	63	+ 29	4	+ 1	0·21	−0·17	16	0	25	0
3. ENGLAND, EAST	42	18	36·1	28·4	32·3	− 6·1	0	− 11	68	+ 30	4	0	0·25	−0·13	12	− 6	19	− 9
4. MIDLAND COUNTIES	51	15	38·4	26·4	32·4	− 6·2	0	− 12	67	+ 30	3	− 1	0·16	−0·31	14	− 1	22	− 1
5. ENGLAND, SOUTH	48	19	37·1	28·8	32·9	− 7·1	0	− 14	64	+ 36	3	0	0·16	−0·36	15	0	23	0
Western																		
6. SCOTLAND, WEST	46	18	39·8	29·9	34·9	− 4·3	0	− 11	50	+ 21	4	− 1	0·81	−0·18	20	+ 6	32	+ 9
7. ENGLAND, N.W.	49	15	39·1	28·1	33·6	− 6·0	0	− 11	59	+ 31	3	− 1	0·23	−0·39	25	+ 12	40	+18
8. ENGLAND, S.W.	51	10	39·9	28·4	34·1	− 7·1	0	− 16	55	+ 32	3	− 1	0·39	−0·37	19	+ 2	29	+ 3
9. IRELAND, NORTH	47	22	41·2	31·9	36·6	− 3·8	0	− 14	38	+ 13	5	0	0·79	+0·05	25	+ 11	40	+17
10. IRELAND, SOUTH	51	21	43·6	32·5	38·1	− 4·0	4	− 16	34	+ 15	5	0	0·63	−0·17	23	+ 7	35	+10
11. CHANNEL ISLANDS	51	27	41·6	33·3	37·5	− 6·5	0	− 24	32	+ 22	4	0	0·33	−0·31	14	− 6	21	− 9

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 10 Weeks, December 2nd, 1906, to February 9th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	93	+ 17	380	+ 61	56	+ 4	12·75†	+0·01	56	− 7	12	− 1
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	92	+ 14	453	+ 87	34	− 7	4·18	−1·79	118	+ 21	23	+ 4
2. ENGLAND, N.E.	56	15	*	*	*	*	63	− 29	418	+109	34	− 2	3·25	−1·08	138	+ 45	26	+ 8
3. ENGLAND, EAST	56	10	*	*	*	*	51	− 45	451	+ 99	32	− 6	3·66	−0·57	133	+ 19	24	+ 4
4. MIDLAND COUNTIES	57	10	*	*	*	*	70	− 41	425	+ 68	30	− 8	3·35	−1·06	130	+ 28	23	+ 5
5. ENGLAND, SOUTH	56	3	*	*	*	*	78	− 66	367	+105	30	− 6	3·13	−2·36	141	+ 27	25	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	90	− 27	312	+ 66	44	− 1	8·83	−2·48	86	+ 2	16	0
7. ENGLAND, N.W.	57	14	*	*	*	*	83	− 33	319	+ 68	40	− 1	5·49	−1·51	119	+ 35	22	+ 6
8. ENGLAND, SW.	56	5	*	*	*	*	101	− 83	293	+ 99	39	− 4	5·89	−2·90	144	+ 21	25	+ 4
9. IRELAND, NORTH	56	8	*	*	*	*	116	− 27	228	+ 8	48	− 1	6·85	−1·20	100	+ 2	19	0
10. IRELAND, SOUTH	57	11	*	*	*	*	109	− 48	210	+ 39	43	− 2	4·96	−4·37	103	− 15	18	− 3
11. CHANNEL ISLANDS	56	21	*	*	*	*	196	− 86	96	+ 29	44	− 3	5·10	−2·69	132	− 10	22	− 2

THE YEAR.—Aggregates, &c., for the period of 6 Weeks, December 30th, 1906, to February 9th, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	39	− 1	221	+ 15	32	0	7·28†	+0·02	48	+ 5	15	+ 2
Eastern																		
1. SCOTLAND, EAST	56	5	*	*	*	*	37	− 8	285	+ 53	18	− 6	1·99	−1·30	85	+ 19	27	+ 6
2. ENGLAND, N.E.	52	15	*	*	*	*	31	− 20	258	+ 59	17	− 5	1·15	−1·21	97	+ 34	29	+10
3. ENGLAND, EAST	52	10	*	*	*	*	21	− 33	280	+ 54	16	− 7	1·70	−0·69	91	+ 12	26	+ 3
4. MIDLAND COUNTIES	53	10	*	*	*	*	34	− 30	273	+ 50	14	− 9	1·31	−1·59	83	+ 16	24	+ 5
5. ENGLAND, SOUTH	52	16	*	*	*	*	44	− 31	231	+ 61	13	− 9	1·49	−1·60	89	+ 16	25	+ 4
Western																		
6. SCOTLAND, WEST	53	16	*	*	*	*	39	− 24	184	+ 25	25	− 3	4·39	−1·99	55	− 2	17	− 1
7. ENGLAND, N.W.	53	15	*	*	*	*	38	− 23	208	+ 46	21	− 4	2·24	−1·80	83	+ 25	24	+ 7
8. ENGLAND, S.W.	54	5	*	*	*	*	49	− 51	200	+ 73	23	− 3	2·88	−2·05	94	+ 15	26	+ 4
9. IRELAND, NORTH	53	16	*	*	*	*	55	− 26	140	− 1	28	− 1	3·38	−1·24	67	+ 2	20	+ 1
10. IRELAND, SOUTH	56	11	*	*	*	*	93	− 30	138	+ 33	24	− 3	2·34	−2·95	66	− 9	19	− 3
11. ENGLISH CHANNEL	53	21	*	*	*	*	99	− 50	71	+ 22	23	− 5	2·17	−1·89	87	− 7	24	− 2

† Corresponding values for last week slightly altered owing to receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

February 3–February 9, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. Islands.	†Sumburgh Head (Deerness)	44	32	41·1	36·3	38·7	+ 0·5	0	23	6	0·34	− 0·42	33·1	+ 21·1	56	+ 36
	Stornoway	45	29	42·1	34·1	38·1	− 0·9	0	28	6	0·83	− 0·19	10·6	+ 6·2	33	+ 10
0. SCOTLAND, N. Mainland.	Wick	42	29	40·1	32·3	36·2	− 1·7	0	41	3	0·40	− 0·10	*	*	*	*
	†Lairg (Strathpeffer)	45	20	41·6	27·8	34·7	− 0·9	0	51	4	0·40	− 0·34	27·1	+ 13·7	45	+ 23
	Glencarron	46	27	40·3	30·4	35·4	− 1·5	0	46	5	1·33	− 0·56	*	*	*	*
	Fort Augustus	43	24	39·7	29·9	34·8	− 3·4	0	50	5	1·01	− 0·06	18·8	+ 10·3	31	+ 17
	Fort William	44	23	40·3	29·8	35·1	− 2·7	0	48	4	2·03	+ 0·64	*	*	*	*
1. SCOTLAND, E.	Nairn	43	25	40·7	30·0	35·4	− 2·2	0	46	4	0·25	− 0·15	34·0	—	57	—
	Aberdeen	42	28	39·4	31·1	35·3	− 2·6	0	47	4	0·73	+ 0·19	30·8	+ 14·4	51	+ 24
	†Balmoral (Crathes)	40	18	36·9	25·6	31·3	− 3·1	0	75	5	0·11	− 0·56	32·3	—	58	—
	†Clathick (Balruddery)	47	18	40·2	27·6	33·9	− 3·8	0	57	3	0·62	− 0·25	22·0	—	36	—
	†Leith (Edinburgh)	43	21	39·7	27·7	33·7	− 5·8	0	58	2	0·17	− 0·21	24·5	+ 12·4	40	+ 20
	Marchmont	43	17	37·6	24·1	30·9	− 6·2	0	78	1	0·06	− 0·49	23·3	+ 8·6	38	+ 14
2. ENGLAND, N.E. Northern part.	†Alnwick Castle (Cockle Park)	43	19	39·6	24·2	31·9	− 6·4	0	71	2	0·16	− 0·38	25·0	—	40	—
	†Shields (Newcastle)	46	22	39·7	25·9	32·8	− 6·2	0	64	1	0·20	− 0·18	12·5	+ 2·1	20	+ 3
	Durham	44	20	37·2	27·1	32·2	− 5·5	0	69	2	0·21	− 0·17	18·9	+ 4·2	30	+ 7
	Scarborough	42	26	39·1	31·0	35·1	− 3·9	0	48	3	0·26	− 0·19	15·5	—	25	—
	York	43	21	37·9	28·2	33·1	− 5·6	0	62	6	0·20	− 0·21	7·3	− 4·9	12	− 8
2. ENGLAND, N.E. Southern part.	Spurn Head	40	28	37·7	31·1	34·4	− 4·4	0	53	4	0·20	− 0·09	*	*	*	*
	†Lincoln (Skegness)	43	21	38·4	28·1	33·3	− 4·9	0	61	6	0·20	− 0·19	12·0	—	19	—
	†Fulbeck (Rauceby)	43	21	37·1	25·9	31·5	− 6·3	0	74	6	0·24	− 0·15	15·6	—	24	—
3. ENGLAND, E. Northern part.	Hillington	39	18	36·1	26·3	31·2	− 6·9	0	76	5	0·31	− 0·13	11·9	− 4·0	19	− 6
	†Yarmouth (Lowestoft)	37	28	35·3	30·9	33·1	− 5·1	0	62	4	0·23	− 0·13	6·2	—	10	—
	Geldeston	38	19	36·3	26·2	31·3	− 7·4	0	75	5	0·25	− 0·09	8·5	− 8·2	13	− 13
					(Cromer)								8·6	—	13	—
3. ENGLAND, E. Southern part.	Cambridge	40	20	36·1	26·7	31·4	− 7·2	0	74	5	0·38	+ 0·03	14·2	− 2·3	22	− 4
	Felixstowe	38	24	35·5	29·3	32·4	− 6·8	0	67	3	0·19	—	10·8	—	17	—
	Clacton-on-Sea	38	21	35·6	28·9	32·3	− 7·0	0	68	5	0·20	—	13·7	—	21	—
	Rothamsted	41	21	36·3	26·9	31·6	− 6·6	0	73	5	0·31	− 0·16	16·2	+ 0·7	25	+ 1
	†Shoeburyness (Southend)	39	27	36·1	29·3	32·7	− 6·8	0	65	4	0·24	− 0·06	16·2	—	25	—
	London, Westminster	42	29	37·6	31·3	34·5	− 5·6	0	53	3	0·18	− 0·22	12·3	+ 4·7	19	+ 7
					(Dunmow)								12·7	—	20	—
4. MIDLAND COUNTIES. Eastern part.	Harrogate	42	23	37·2	26·8	32·0	− 5·5	0	70	4	0·21	− 0·31	9·8	—	16	—
	†Bawtry (Worksop)	45	19	38·9	26·3	32·6	− 6·0	0	66	4	0·18	− 0·21	13·4	+ 0·9	21	+ 1
	Nottingham	45	18	38·7	24·6	31·7	− 6·9	0	72	4	0·18	− 0·22	12·3	—	19	—
	Colly Weston	43	20	38·0	26·6	32·3	− 6·1	0	68	3	0·16	− 0·21	*	*	*	*
	Birmingham, Edgbaston	47	20	37·3	28·4	32·9	− 5·7	0	64	2	0·14	− 0·30	8·4	—	13	—
	Oxford	46	20	38·6	27·6	33·1	− 6·3	0	62	4	0·31	− 0·12	21·2	+ 6·2	33	+ 10
4. MIDLAND COUNTIES. Western part.	†Cheadle (Sheffield)	46	24	37·1	28·9	33·0	− 4·4	0	63	4	0·21	− 0·35	—	—	—	—
	Shrewsbury	51	16	40·2	27·2	33·7	− 6·0	0	58	2	0·08	—	*	*	*	*
	Hereford	50	16	39·1	24·2	31·7	− 7·8	0	72	3	0·10	− 0·43	*	*	*	*
	Cirencester	46	15	37·6	24·3	31·0	− 7·2	0	77	3	0·17	− 0·40	16·7	+ 0·5	26	+ 1
	Bath	50	17	39·9	25·3	32·6	− 7·6	0	66	2	0·06	− 0·49	18·4	—	28	—
					(Margate)								14·0	− 2·0	22	− 3
5. ENGLAND, S	Kew	42	26	37·2	29·5	33·4	− 6·2	0	60	3	0·18	− 0·22	16·8	+ 4·2	26	+ 6
	Wisley, Surrey	42	21	37·2	27·8	32·5	− 6·3	0	67	3	0·10	—	18·1	—	28	—
	†Swarraton (Ventnor)	43	19	36·9	25·1	31·0	− 7·4	0	77	4	0·18	− 0·43	16·0	− 2·3	24	− 4
	Tunbridge Wells	38	23	34·7	26·5	30·6	− 8·0	0	80	3	0·26	− 0·30	18·3	+ 3·2	28	+ 5
	†Dungeness (Littlestone)	39	27	35·6	29·0	32·3	− 7·5	0	68	3	0·24	− 0·10	14·3	—	22	—
	Hastings	40	28	35·0	29·8	32·4	− 7·5	0	67	3	0·15	− 0·37	18·3	− 0·6	28	− 1
	Southampton	45	24	39·4	29·1	34·3	− 6·4	0	54	2	0·06	− 0·50	15·5	− 1·3	24	− 2
	†Portland Bill (Worthing)	48	30	40·4	33·3	36·9	− 4·5	0	36	2	0·11	—	16·0	—	24	—
					(Eastbourne)								15·5	− 1·9	24	− 3
6. SCOTLAND, W.	†Laudale (Oban)	43	27	40·3	32·5	36·4	− 3·3	0	39	4	2·37	+ 0·65	24·3	—	40	—
	Glasgow	41	24	38·5	31·1	34·8	− 4·2	0	50	4	0·44	− 0·29	9·2	− 0·1	15	0
	Dumfries	46	18	39·6	24·9	32·3	− 6·7	0	68	3	0·42	− 0·48	*	*	*	*
	Cally	42	20	39·7	29·8	34·8	− 3·9	0	50	4	0·30	− 0·72	*	*	*	*
	Douglas, Isle of Man	45	26	41·1	31·3	36·2	− 4·4	0	41	4	0·52	− 0·30	25·7	+ 10·3	41	+ 16
7. ENGLAND, N.W.	Aspatria	45	22	38·3	26·7	32·5	− 5·4	0	67	2	0·24	− 0·34	34·0	—	54	—
	Newton Rigg	42	15	36·9	22·8	29·9	− 7·1	0	85	2	0·18	− 0·62	24·6	+ 11·1	39	+ 18
	Stonyhurst	43	21	36·7	27·8	32·3	− 6·2	0	68	2	0·17	− 0·66	15·2	+ 2·4	24	+ 4
	Blackpool	45	23	38·9	26·9	32·9	− 6·2	0	64	3	0·21	− 0·35	26·7	+ 13·0	42	+ 20
	Manchester, Prestwich	46	21	38·2	28·7	33·5	− 5·0	0	60	2	0·22	− 0·37	15·5	+ 6·9	24	+ 11
	†Liverpool Obs. (Hoylake)	46	25	38·9	28·0	33·5	− 6·3	0	60	2	0·14	− 0·30	27·6	—	43	—
	†Hawarden Bridge (Southport)	49	23	40·1	27·8	34·0	− 6·7	0	56	2	0·11	− 0·25	27·5	+ 13·2	43	+ 21
7. NORTH WALES	Llandudno	47	27	41·1	31·5	36·3	− 5·4	0	40	2	0·08	− 0·46	27·5	+ 11·7	43	+ 18
	†Holyhead (Aberdovey)	47	30	41·3	32·9	37·1	− 4·6	0	34	3	0·49	− 0·13	32·3	—	51	—
	Bettws-y-Coed	48	21	40·4	28·0	34·2	− 7·0	0	55	5	0·45	—	25·0	—	39	—
8. SOUTH WALES	Llangammarch Wells	47	10	38·2	21·4	29·8	− 8·9	0	85	2	0·27	—	16·2	—	25	—
	Pembroke	47	32	42·7	34·6	38·7	− 3·7	2	27	4	0·32	− 0·37	24·6	+ 7·6	38	+ 12
	†Cardiff (Aberystwyth)	50	18	40·7	26·0	33·4	− 7·2	0	60	2	0·20	− 0·61	29·0	—	45	—
8. ENGLAND, S.W.	†Clifton (Torquay)	47	21	39·2	27·0	33·1	− 7·2	0	62	3	0·15	− 0·47	10·1	− 7·4	15	− 11
	†Shaftesbury (Marlborough)	48	25	36·1	27·6	31·9	− 6·3	0	71	2	0·19	− 0·41	7·3	− 6·3	11	− 10
	†Arlington (Newquay)	48	20	39·0	27·0	33·0	− 7·4	0	63	4	0·62	− 0·38	21·3	+ 3·6	32	+ 6
	Cullompton	50	18	39·7	26·0	32·9	− 7·8	0	64	3	0·47	− 0·24	8·8	− 6·6	13	− 11
	Plymouth	51	28	41·2	31·7	36·5	− 6·1	0	39	4	0·64	− 0·08	17·7	+ 0·2	27	0
	Falmouth	50	30	41·9	34·0	38·0	− 5·6	0	28	5	0·69	− 0·28	15·1	− 3·4	23	− 5
9. IRELAND, N. Western part.	Malin Head	44	30	40·6	34·6	37·6	− 3·9	0	31	5	0·65	+ 0·11	*	*	*	*
	Edenfel	43	25	38·6	28·7	33·7	− 5·0	0	58	4	0·54	− 0·15	*	*	*	*
	Blacksod Point	47	30	43·9	35·6	39·8	− 3·1	5	24	6	1·97	+ 1·03	*	*	*	*
	Markree Castle	46	23	41·8	30·0	35·9	− 4·3	0	43	5	0·88	+ 0·12	23·8	+ 10·1	38	+ 16
9. IRELAND, N. Eastern part.	Armagh	44	22	40·3	29·4	34·9	− 4·8	0	50	5	0·43	− 0·12	26·9	+ 12·9	43	+ 21
	Donaghadee	45	32	41·9	33·3	37·6	− 3·2	0	31	4	0·24	− 0·33	*	*	*	*
10. IRELAND, S. Eastern part.	†Dublin, City (Phœnix Park)	48	28	42·5	31·6	37·1	− 5·1	1	37	5	0·28	− 0·22	26·0	+ 9·3	41	+ 15
	Kilkenny	48	25	42·1	29·9	36·0	− 5·3	0	42	5	0·41	− 0·25	*	*	*	*
	Waterford	50	31	43·6	33·1	38·4	− 3·3	4	33	4	0·50	− 0·36	*	*	*	*
10. IRELAND, S. Western part.	Birr Castle	47	21	42·6	27·9	35·3	− 5·1	2	50	6	0·44	− 0·12	27·7	+ 12·8	43	+ 20
	Foynes	48	27	43·4	32·7	38·1	− 4·3	4	34	6	0·66	− 0·11	*	*	*	*
	Killarney	51	27	45·6	33·4	39·5	− 3·8	10	33	5	0·65	− 0·63	*	*	*	*
	Valencia	48	28	44·7	35·6	40·2	− 4·5	8	25	6	1·56	+ 0·30	19·2	+ 2·8	30	+ 4
	†Roches Point (Ballinacurra)	48	32	44·6	36·4	40·5	− 3·2	7	21	5	0·54	− 0·50	18·2	—	28	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	51	35	45·0	36·6	40·8	− 4·8	8	21	5	0·53	− 0·17	20·5	+ 1·1	31	+ 2
	†Jersey, St. Aubins (St. Heliers)	49	27	39·3	30·4	34·9	− 8·0	0	50	3	0·20	− 0·44	13·4	− 7·3	20	− 11
	Guernsey	50	30	40·5	32·8	36·7	− 6·7	0	37	4	0·25	− 0·47	8·3	− 10·8	12	− 16

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 16·1 hrs., 25 %; Brighton, 15·3 hrs. (− 2·2) 23 % (− 3 %); Bournemouth, 17·5 hrs., 27 %; Bognor, 16·7 hrs., 25 %; Rhyl, 29·4 hrs., 46 %; Tenby, 21·5 hrs. (+ 3·8), 33 % (+ 6%).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	38·3
	Crathes	7	17	32·8	36·7
	Marchmont ..	—	—	32·6	—
	— — ..				
2.	Cockle Park	7	17	33·3	37·7
	York	—	—	34·9	39·9
	Hull	7	11	34·0	40·0
	Lincoln	—	—	33·0	39·6
3.	Cambridge	7	13	34·0	40·1
	Dunmow	7	19	—	—
	Clacton-on-Sea ..	6	18	35·7	41·5
4.	Harrogate	7	13	35·5	38·3
	Sheffield	7	17	33·9	39·9
	— — ..				
	Birmingham	6	6	35·7	42·7
	Nottingham	6	14	32·5	37·3
	— — ..				
5.	Kew	7	14	34·0	41·1
	Canterbury	7	14	35·2	42·0
	Portsmouth	7	17	35·7	42·2
	Wisley	—	—	34·0	40·2
6.	— — ..				
	Glasgow	6	16	—	—
	— — ..				
7.	Newton Rigg ..	7	7	34·8	39·4
	Southport	7	14	32·9	38·5
	Bettws-y-Coed ..	6	20	35·0	41·9
	Manchester City ..	6	20	33·5	40·8
	— — ..				
8.	Llangammarch Wells	6	4	34·7	42·0
	Bath	—	—	36·0	42·7
	Plymouth	7	21	36·0	—
	— — ..				
9.	Armagh	4	17	36·4	42·0
	Markree Castle ..	6	19	—	—
10.	Dublin, Trin. Coll. ..	7	17	36·5	42·1
11.	Guernsey, Brooklyn	6	23	38·3	44·0

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	42	42·0
	Kirkwall	42	39	40·0
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	38	36	37·4
	Pennan Bay	40	38	39·2
	Aberdeen, Cove Bay ..	40	37	38·5
ENGLAND, N.E.	Burnmouth, Berwick ..	39	37	37·9
	Scarborough	39	34	37·2
ENGLAND, E.	Shipwash Lightship ..	38	37	37·1
ENGLAND, S.E.	Eastbourne‡	36	34	35·0
SCOTLAND, W.	Lamlash	44	43	43·6
	Ballantrae	43	40	41·6
ENGLAND, N.W.	Port Erin	45	43	44·1
ENGLAND, S.W.	Newquay	45	42	43·3
	Plymouth‡	45	43	44·2
	Salcombe	43	41	42·5
IRELAND, N.W.	Sheephaven	45	44	44·4
	Ballyglass	47	38	41·7
IRELAND, S.W.	Cleggan	46	42	43·7
	Seafield	45	38	42·0
IRELAND, E. . ..	Kingstown‡	42	40	40·6

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

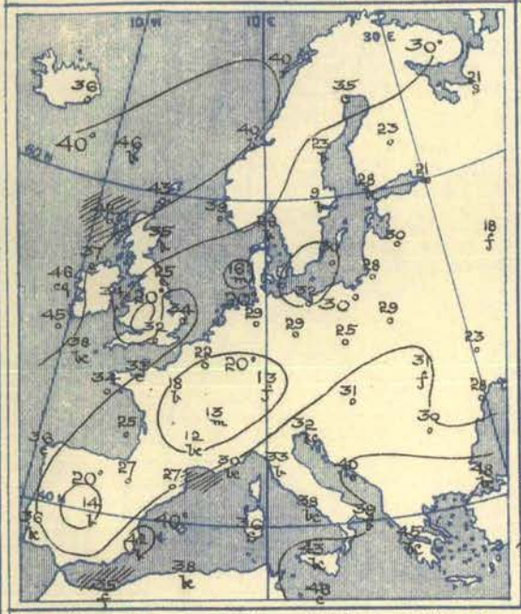
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

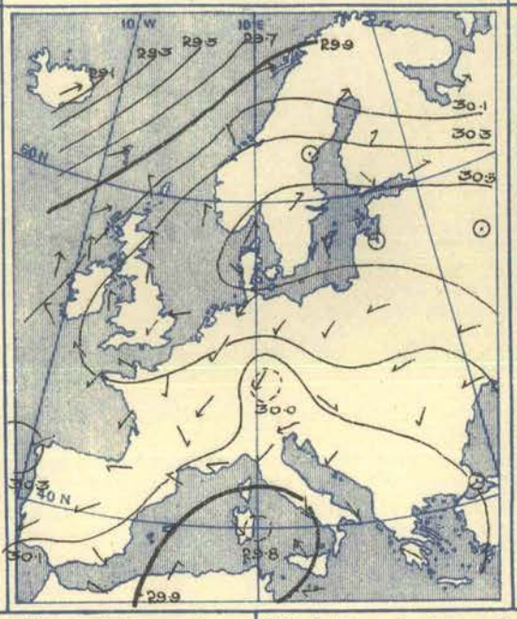
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 3rd February, 1907.

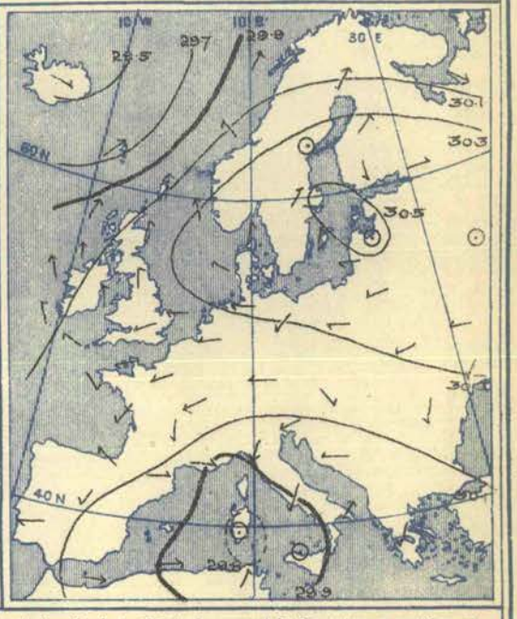
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. mostly fine and bright over southern Europe, France, and at many of our own stations; cloudy or overcast as a whole elsewhere, with rain at Bodö and snow at Archangel, Karlstad, and Aix-la Chapelle. Snow also falling at Bilbao and Cagliari. Slight snow or sleet experienced later in most parts of the United Kingdom and in various localities in the central countries, and heavier amounts of rain on some shores of the Mediterranean.

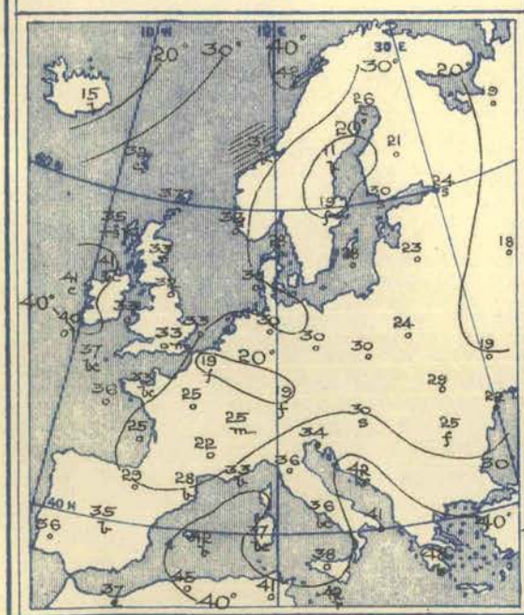
Temperature fallen over the western countries, risen in the extreme north and in some parts of central Europe. Readings in morning much below the freezing point over the English midlands and in nearly all inland districts on the Continent; lowest figure, 12° at Lyons. Highest values, 45° or 46° on the west coast of Ireland, at Thorshavn, Malta, and Athens, and 48° at Constantinople. Maxima during day only 32° or 33° on our most south-east coast and below 40° over the kingdom generally. Thermometer remaining below 32° over a considerable portion of France and central Europe, and also at Turin, and only rising to 45° at Cagliari and Oran.

Wind at 8 a.m. showing a moderate Southerly to Westerly current in the extreme north-west and north of our area, and mainly Easterly winds south of latitude 55°. Two cyclonic circulations in existence—one over Bavaria, and the other over the western portion of the Mediterranean. No change of importance during day.

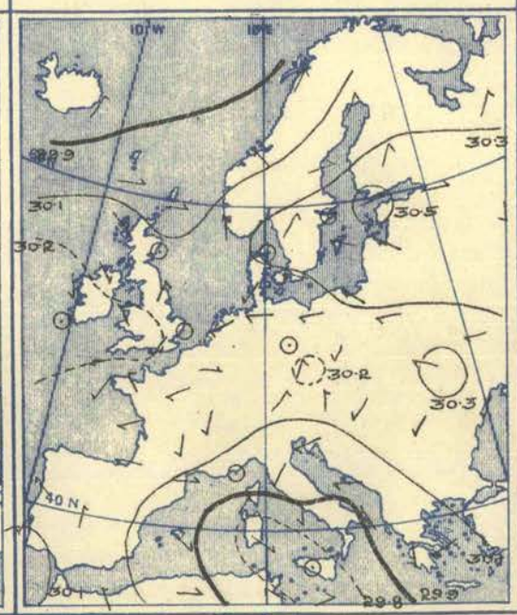
Barometer in morning ranging from above 30·5 ins. in an anticyclonic band covering a large portion of Russia, Sweden, and Denmark to below 29·1 ins. in Iceland. Relatively low in small minima near Munich and Cagliari. Not much modification taking place later in the general distribution of pressure, but barometer falling slowly over our Islands and France, and rising decidedly in Iceland. Bavarian disturbance disappearing.

Monday, 4th February, 1907.

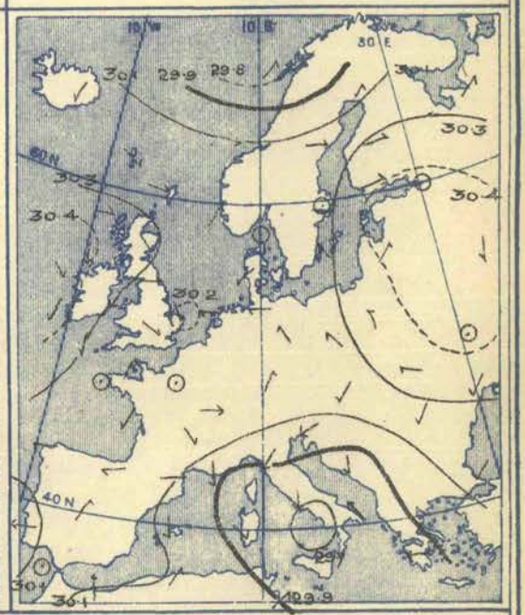
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean region, but rain falling at Malta; cloudy or overcast over our area as a whole, with rain in Ireland and Scotland, snow at Lorient and Aix-la-Chapelle, and fog at Leith, Nottingham, and Brussels. Slight falls of rain, sleet, or snow occurring later over these Islands, and rather large quantities of rain in Greece and some other extreme southern localities.

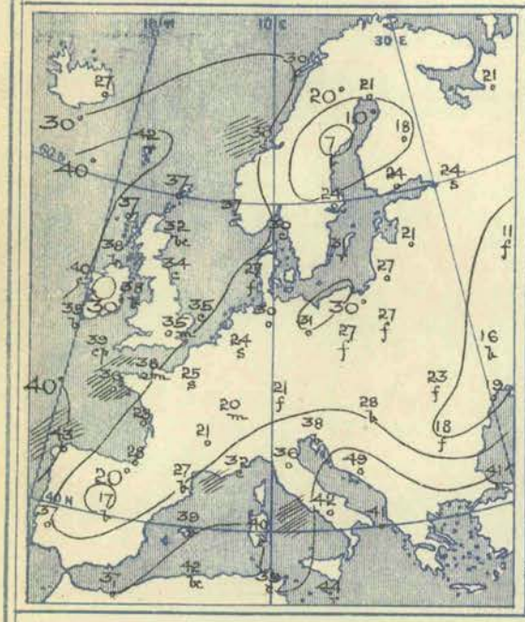
Temperature changed rather irregularly, risen decidedly over the English midlands. Readings in morning below 32° over most of our area, and below 20° in a few places. Increasing to about 40° on the west coast of Ireland and at some stations on the shores of the Mediterranean, and to above 45° in Greece. Maxima during day above 50° in Algeria but low over our area generally. Thermometer not reaching 32° in the north and north-east and only slightly exceeding it at some of our own stations.

Wind in morning light in force and rather variable in direction. Mainly between North-West and South-West over the north-west and north of Europe. An ill-defined cyclonic circulation prevailing over the Mediterranean. A Northerly to North-Westerly current spreading over our Islands during day. Some increase in force occurring over Italy and its vicinity.

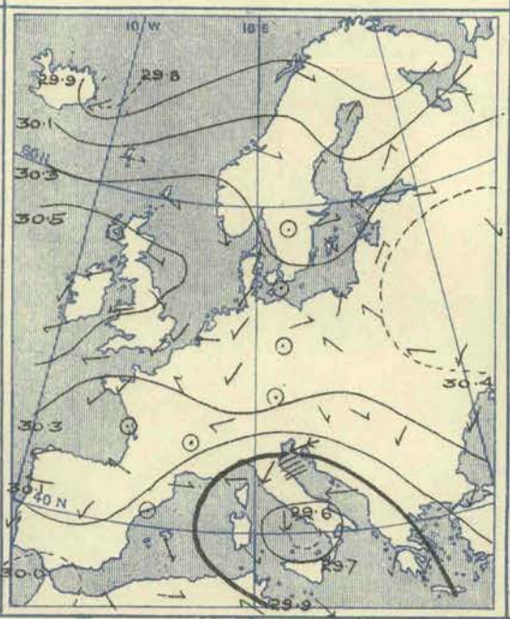
Barometer in morning above 30·5 ins. in a large anticyclone centred over the upper part of the Baltic and above 30·2 ins. in another system extending from the Atlantic to the east of England. Below 29·9 ins. in a depression in the far north of our area, and below 29·8 ins. in another over the central portion of the Mediterranean. Latter system increasing in depth during day and becoming somewhat modified in form. Atlantic high pressure system extending eastwards and north-eastwards across these Islands. Gradients increasing over the north of Italy.

Tuesday, 5th February, 1907.

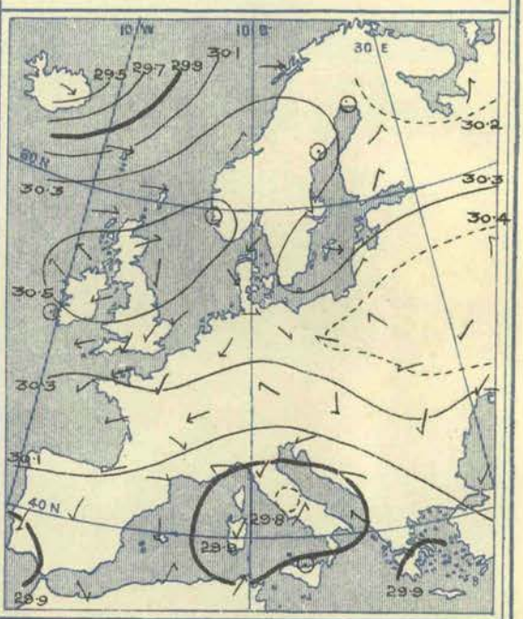
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine at most of our northern and western stations, but dull in the south and south-east, with rain or sleet at Bath and Oxford. Cloudy or overcast in nearly all Continental regions, with rain at Malta and Constantinople and snow at Paris, Aix-la-Chapelle, Christiansund, and St. Petersburg. Very little precipitation experienced over our area generally, but heavy snow falling at Turin, and heavy rain at some stations on the north coast of Africa.

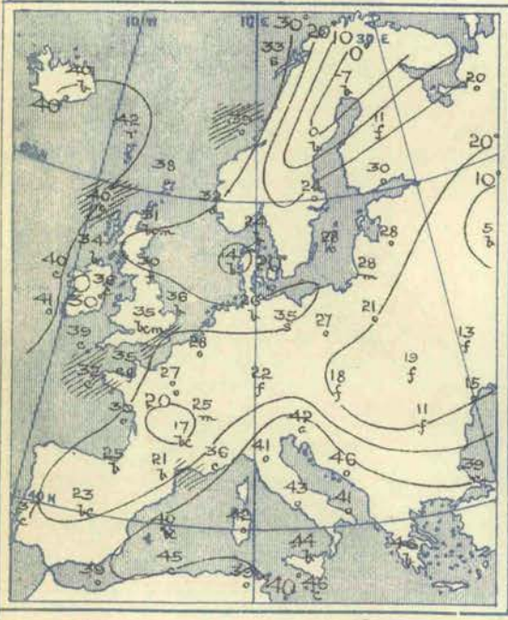
Temperature changed irregularly. Readings in morning from a little above 40° in the far south to below 32° very generally, to 17° at Madrid, 7° at Hernosand, and to 3° at Kharkoff. Maxima during day less than 32° over a considerable portion of our area, and not so high as 49° in many parts of England. Thermometer rising to above 50° in Algeria and to 59° at Patras. Very sharp frost at night over the south-east of Scotland.

Wind in morning anticyclonic over the greater part of our area, but circulating cyclonically over Italy and the surrounding regions. A gale from the North-Eastward prevailing at Trieste, and a strong breeze from North at Rome, but not much force as a whole. Easterly current gaining somewhat in strength later over the English Channel, but gale at Trieste subsiding.

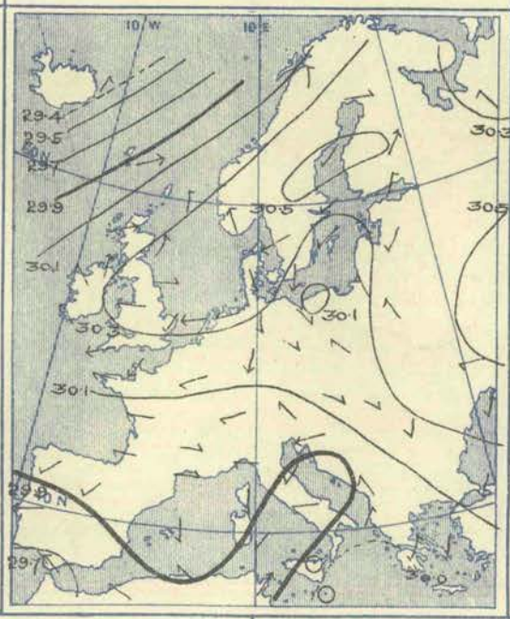
Barometer in morning above 30·5 ins. in an anticyclone extending over Ireland and Scotland from the Atlantic and above 30·4 ins. in a large high pressure system over the southern half of Russia. Below 29·9 ins. in the extreme north of our area, and below 29·6 ins. in a depression centred near Naples. Gradients steep over the north of Italy and its vicinity. Italian depression becoming much less deep by evening, Atlantic high pressure moving steadily eastwards, and barometer falling very briskly in Iceland.

Wednesday, 6th February, 1907.

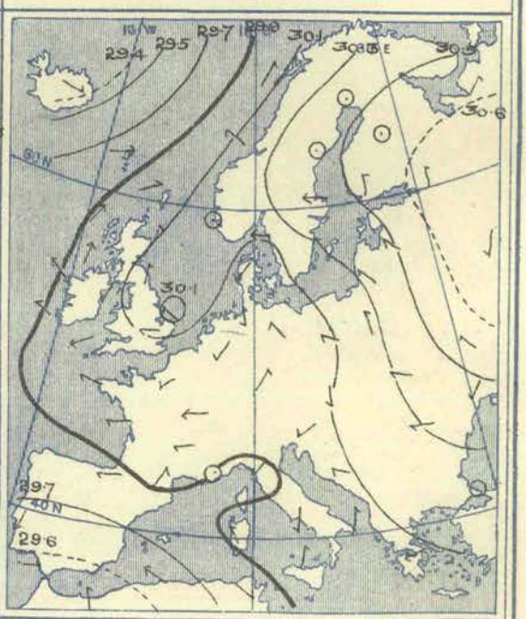
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few localities both in the south and north of our area, but cloudy or overcast as a whole. Rain falling at Thorshavn and Constantinople and snow at Bodö, and fog prevailing at many stations over the central regions of Europe. Some rain or snow experienced later over Italy, slight amounts of snow in the east of England, and half an inch of rain at Blacksod Point.

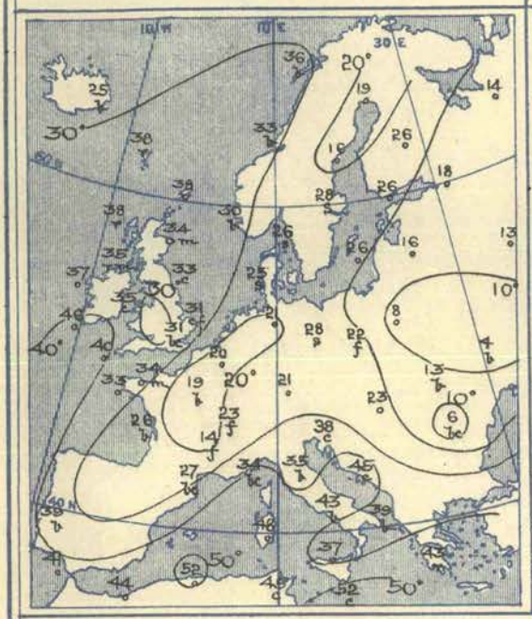
Temperature fallen over our area generally, risen in the south of Ireland. Readings in morning ranging from about 45° at some places in the far south to below 32° generally, and to below zero in the north of Sweden. Lowest value in these Islands, 24° at Leith. Maxima during day only 35° at Folkestone and at some of our more northern stations, and below 32° over the east of France and the major portion of central Europe. Thermometer rising to above 50° on some shores of the Mediterranean and touching 61° at Athens.

Wind in morning mainly South-Westerly in Scotland and Norway, and between East and North-East over England, France, and the Peninsula. A light anticyclonic movement prevailing in the eastern portion of our area, and an irregular cyclonic circulation over the Mediterranean. No change of importance occurring later in day.

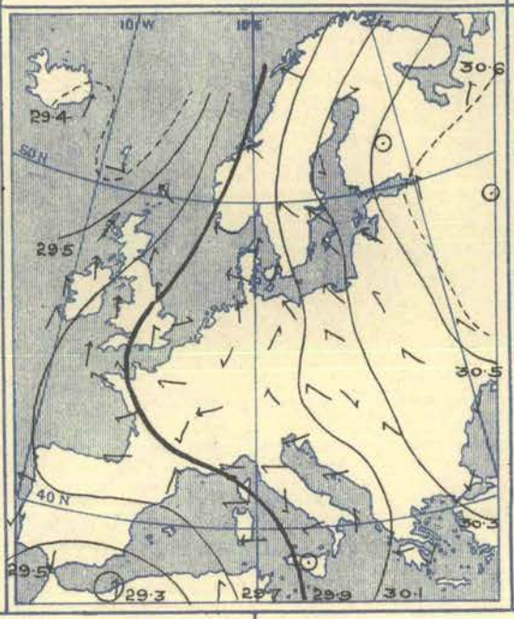
Barometer in morning above 30·4 ins. in a large anticyclonic system containing two maxima of above 30·5 ins. Relatively low in the south and south-east of our area and also in a small depression centred off the North German coast, and as low as 29·39 ins. at Seydisfjord. Pressure increasing to above 30·6 ins. by evening over Russia, but a general decrease taking place over all the more western and south-western countries; isobars becoming more irregular in certain districts, but no great modification occurring in the general distribution of pressure.

Thursday, 7th February, 1907.

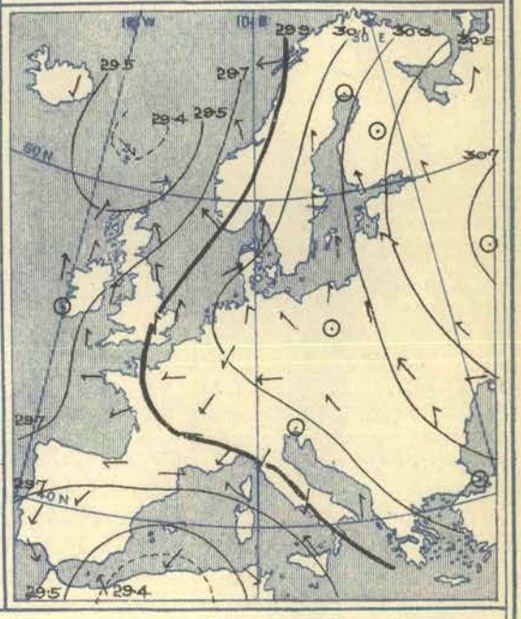
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in various parts of southern Europe, in Little Russia, and along the coast of Norway; cloudy or overcast generally, with rain in Ireland and the Hebrides, and also at Thorshavn and at some places in the extreme south-east of Europe, and snow at Berlin, in Denmark, and at Stockholm. Various amounts of rain falling later over Italy and Algeria, and rain or sleet at many of our own western and northern stations.

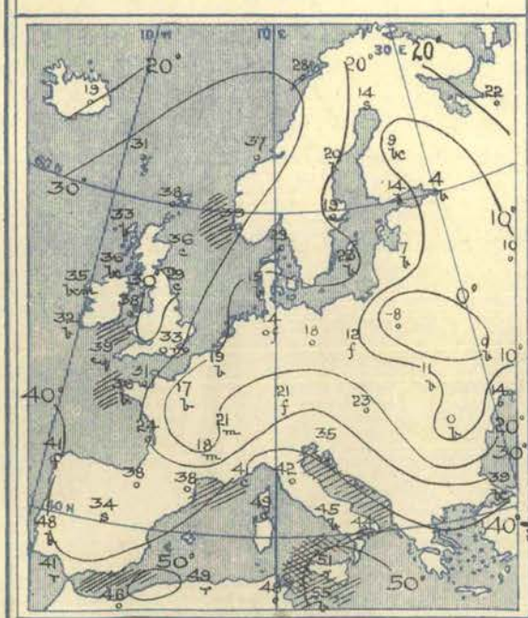
Temperature risen over Algeria and in the region of the Gulf of Bothnia, fallen over our area as a whole. Readings in morning highest, 52° at Malta and Algiers and above 45° at one or two other southern stations. Lowest, -2° at Kharkoff, 6° at Hermaustadt, 8° at Warsaw, and below 20° over a considerable portion of the European mainland. Lowest reading in our Islands, 24° at Bath. Maxima during day no higher than 35° in several parts of England and below 32° over central Europe and the east of France, as well as in the northern countries.

Wind in morning light to fresh from between North and East over the Mediterranean region and the Spanish Peninsula, drawing into the Southward over these Islands and blowing freshly or strongly at some outlying western stations. Easterly or South-Easterly over the eastern half of our area and strong in force on the Norwegian coast. A considerable increase in the force of the wind taking place during day at Malta and Palermo, but little change over our area generally.

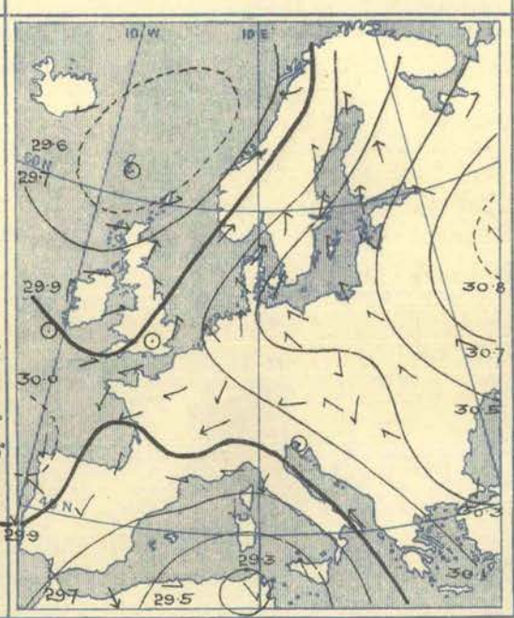
Barometer in morning above 30·6 ins. in a very extensive anticyclone covering nearly all of Russia. Below 29·4 ins. in two depressions—one near the Faroes, and the other over the west of Algeria. Barometer relatively low over Italy and its neighbourhood. Algerian depression travelling eastwards during day, but little other modification occurring in the distribution of pressure. Russian anticyclone maintaining its position and increasing somewhat in intensity.

Friday, 8th February, 1907.

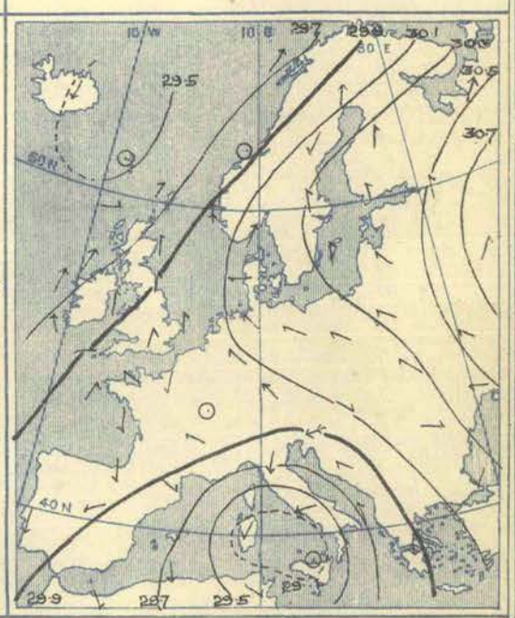
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of Russia, France, and the United Kingdom, and also in Portugal; cloudy or overcast in most other regions, with rain on several shores of the Mediterranean, snow at Madrid and Haparanda, and fog at some stations in central Europe. Heavy or considerable amounts of rain falling later in Italy, Algeria, and Tunis, and some rain, sleet, or snow in various British localities.

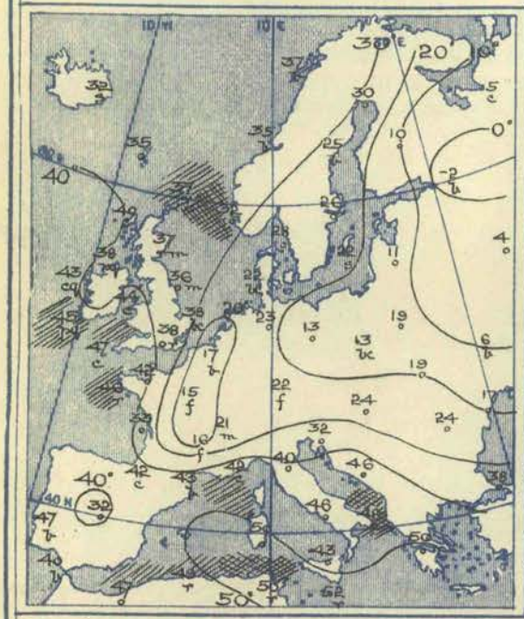
Temperature risen in Italy, the south and west of France, and in Norway, fallen in most other regions. Readings in morning below 20° over the major portion of the Continent and below 10° in several places; lowest readings 0° at Hermanstadt and -8° at Warsaw. A little below 32° at some of our own stations, and less than 50° except in a few places in the far south of our area. Frost continuing all day in the central and northern countries, and thermometer only touching 33° or 34° on the coast of East Anglia. Maxima above 50° very generally in the extreme south and nearly 60° in places.

Wind in morning mainly Southerly or South-Westerly over all the north-western countries, and drawing into North-East in Iceland. A cyclonic circulation of light to fresh winds prevailing over the Mediterranean, and a light or moderate Southerly or South-Easterly current over the east of our area. Increasing in force from the Southward later in the north-west of Ireland and to a gale at Skudesnaes. A gale from East-North-East setting in at Trieste.

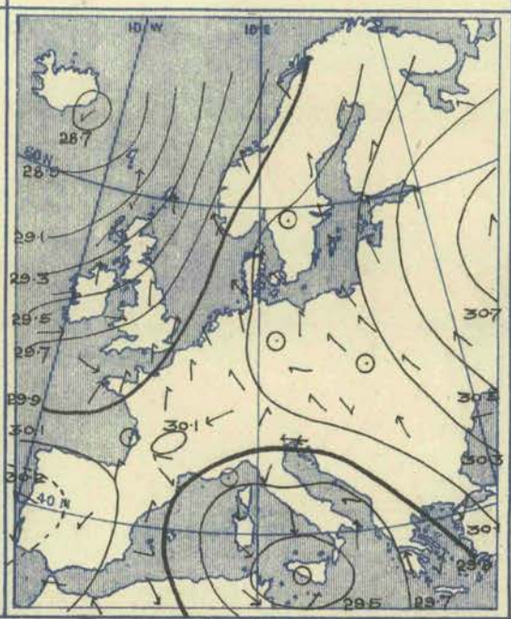
Barometer in morning ranging from above 30·8 ins. in an anticyclone over Russia to below 29·6 ins. in a large depression between Norway and Iceland, and to less than 29·3 ins. in another system having its centre over Tunis. Latter moving northwards during day, and a disturbance approaching Ireland from the Atlantic. Northern depression increasing steadily in depth without materially altering its position, and gradients growing steeper on our west and north-west coasts.

Saturday, 9th February, 1907.

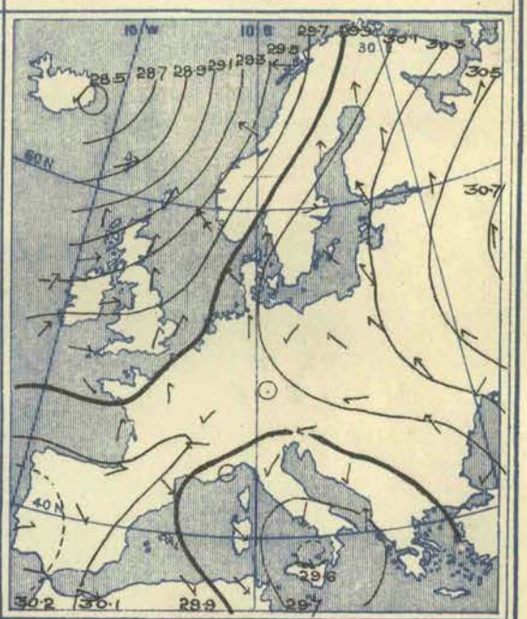
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in nearly all parts of our area. Rain or sleet falling in several British localities and on the shores of the Mediterranean and Adriatic, and snow at Wisby and Seydisfjord. A thunderstorm, with hail, occurring later at Malin Head, various amounts of rain in most parts of these Islands and France, as well as in some Mediterranean regions, and more than an inch at Bilbao.

Temperature risen decidedly over the United Kingdom and Brittany, changed irregularly elsewhere. Readings in morning above 32° at all our own stations, and as high as 45° on our south-west coasts. Still below 20° over the greater part of the Continent, and as low as -2° at St. Petersburg. Figures increasing to above 45° in the far south and to about 50° in a few localities. Thermometer failing to reach 40° at several of our eastern stations, and continuing much below 32° over the central countries and the east of France, but rising to about 50° over our south-western districts and to some degrees higher in some parts of southern Europe and the north of Africa.

Wind in morning mainly Southerly over our Islands and the nearer regions of the Continent, strong or high in Shetland and at Malin Head, and blowing a gale at Skudesnaes. A cyclonic circulation prevailing over the Mediterranean region, Easterly current blowing a gale at Trieste. No general change taking place later in day; gale increasing in strength at Skudesnaes.

Barometer in morning highest, 30·7 ins. and above in a large anticyclone over Russia, and above 30·2 ins. in Portugal. Below 29·5 ins. in a well-marked depression having its minimum over Sicily, and below 28·7 ins. in another minimum near Iceland. Gradients steep over the North Sea and the west of Norway. Depression near Iceland increasing in depth during day, but that over Sicily becoming rather less deep. Scarcely any modification occurring in the general distribution of pressure.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,650 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.											
February 4th, 10.44 a.m. to 10.53 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—	—					Pilot balloon. Uniform ascensional velocity of 400 ft. per minute assumed. Sky overcast; cloud level about 4,000 ft. Wind backing with height.
		Humidity		—	—	—					
		Wind Velocity, m. per hr.		N ¼ W, 9	N by W, 10	WNW, 18					
February 4th, 1.51 p.m. to 2.3 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—	—					Pilot balloon. Uniform ascensional velocity of 270 ft. per minute assumed. Sky overcast; cloud level about 3,800 ft. Wind veering with height.
		Humidity		—	—	—					
		Wind Velocity, m. per hr.		NW by W, 8	NW by W, 5	NNW, 14					
February 5th, 10.30 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		33°	27°	[27°]					One kite, 60 sq. feet, about 2,800 ft. wire; Max. height, 2,900 ft. Clouds at about 2,000 ft., but at no definite height. Slight inversion at 2,800 ft. Kite began to dive, and was drawn in. Overcast.
		Humidity		95%	100%	[75%]					
		Wind Velocity, m. per hr.		NE by E, 12	NE, 13	[NE, 50]					
February 6th, 10.25 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		33°	27°	[23°]					One kite, 60 sq. ft.; 3,000 ft. wire. Max. height, 2,900 ft. Anemometer failed at highest point. Wind by cloud shadows, 45 miles per hour. Slight inversion at highest point. A few fleecy clouds.
		Humidity		70%	90%	[70%]					
		Wind Velocity, m. per hr.		NE by E, 10	ENE, 35	[E by N, ?]					
February 7th, 9.50 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		30°	26°	23°	[20°]				One kite, 60 sq. ft.; 7,000 ft. wire. Max. height, 4,300 ft. No cloud visible all day. Very steady wind.
		Humidity		75%	50%	40%	[70%]				
		Wind Velocity, m. per hr.		SE, 10	SE by E, 30	S by E, 30	[SSE, 30]				
February 7th, 11.30 a.m. to 12.18 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		35°	28°						One 9 ft. kite; wire, 2,130 ft.; Max. height, 1,950 ft. Wind very light; 24 miles per hour at 1,000 ft., decreasing above. A few small detached clouds.
		Humidity		75%	88%						
		Wind Velocity, m. per hr.		SE by S, 20	SE by S, 22						
February 7th, 4.3 p.m. to 5.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.		32°	27°	18°	17°				One 9 ft. kite.; 5,000 ft. wire. At 4,000 ft. temperature inversion and sharp increase in wind velocity and decrease in humidity
		Humidity		80%	83%	83%	57%				
		Wind Velocity, m. per hr.		S, —	SSW, 29	SSW, 33	SW, 39				
February 7th, 4.19 p.m. to 4.25 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—						Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Wind increasing to about 15 miles per hour at 1,000 ft., decreasing above. Sky overcast; cloud level about 2,300 ft.
		Humidity		—	—						
		Wind Velocity, m. per hr.		SE, 9	SE by S, 9						
February 8th, 10.30 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		31°	27°						One kite, 77 sq. ft.; 3,000 ft. wire. Clear sky. Wind too light and decreasing above, so that no great height could be attained.
		Humidity		80%	85%						
		Wind Velocity, m. per hr.		S, 7	S, 18						
February 8th, 12.45 p.m. to 12.53 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—						Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Wind velocity increasing to 14 miles per hr. just below 1,600 ft.; then decreasing to 2 miles per hr. at 2,700 ft.; increasing above. Wind about S up to 2,200 ft.; W by N at 2,500 ft.; NW by W at 2,800 ft.
		Humidity		—	—						
		Wind Velocity, m. per hr.		S, 5	S by E, 13						

63, Victoria Street, London, S.W. *February 13th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 7. SEVENTH WEEK, ENDING SATURDAY, FEBRUARY 16TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was more unsettled and precipitation more frequent over our Islands than for some weeks past. All districts, however, experienced several fair or bright intervals, and the general character of the week was not dull. Aurora was seen at some Scottish stations on Monday and again on Wednesday.

Temperature differed little from the average over the Kingdom generally, but was nearly 2° below it in Scotland N. The highest of the maxima, which were mostly recorded either on the 15th or 16th, ranged from 59° in Ireland S., and 57° in the Midland Counties to 51° in Scotland N., and to 50° in England E. The lowest of the minima were registered on the 14th at many stations, but on an earlier date in some localities. They were as low as 15° and 19° respectively in Scotland N. and E., but elsewhere they ranged from 21° in England N.W., and 22° in Scotland W. and England S.W., to 29° in England N.E. and Ireland N., and to 36° in the English Channel.

Mean Temperature of the Sea.—Regarded generally the water was rather less cold than during the preceding week, the greatest difference being nearly 3° at Ballyglass. The actual values ranged from 36·7° at Eastbourne and less than 40° on the east coasts of Great Britain, to above 44° at Port Erin, Plymouth, and on many parts of the Irish coast, and to 45·3° at Newquay.

Rainfall exceeded the normal in all districts excepting Ireland N., the excess being most marked in Scotland. In Scotland N. the total amount was more than twice as much as the average.

Bright Sunshine was slightly in excess of the average except in England E., the percentage of the possible duration ranging from 41 in the English Channel and 35 in Scotland E., to between 30 and 26 in several other districts, and to 25 in Scotland N.

Barometer and Wind.—As a general rule the barometer was highest to the south of the United Kingdom, and lowest in depressions far to the northward, the main current of wind being consequently from the South-Westward or Westward. On Tuesday and Wednesday, however, this distribution was interrupted by the passage of a disturbance from the Atlantic directly across these Islands, and the cyclonic circulation of the wind was well marked, while the Northerly current in the rear of the system blew a gale on some parts of the English and Irish Channels.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 52.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906–7. 11 weeks from Dec. 2nd, 1906.	Warmth ...	4*6	4*6	2*6	2*5	2*4	2*5	4*6	2*5	0*6	3*4	2*6	1*6
	Rainfall ...	3*1	3*6	2*5	3*4	2*6	2*7	2*4	4*6	2*4	2*4	1*7	3*6
	Sunshine ...	1*4	7*0	8*1	3*1	4*1	4*1	4*3	5*1	4*2	3*3	2*3	2*3

PAST SEASONS.

WINTER, 1905–6. Dec. 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4*4	4*3	3*3	4*0	2*1	0*2	2*2	5*3	4*5	4*2	5*5	3*0
	Rainfall ...	8*2	4*5	4*4	5*1	4*4	4*4	2*2	5*5	5*4	5*2	4*4	6*3
	Sunshine ...	4*1	7*2	5*1	3*4	4*2	5*2	6*1	5*1	5*1	6*1	3*5	5*4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sep. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3

5793 370 Wy. & S., Ltd. 2—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (7th)–February 10th to 16th, 1907.

DISTRICTS. (See p. 51.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches			%	%
0. SCOTLAND, NORTH	51	15	42·2	29·4	35·8	− 1·7	1	− 6	44	+ 5	5	0	2·16	+1·13	16	+ 2	25	+ 3
Eastern																		
1. SCOTLAND, EAST	55	19	42·8	31·3	37·1	− 0·3	2	− 7	38	− 6	5	+ 1	0·69	+0·18	23	+ 4	35	+ 7
2. ENGLAND, N.E.	53	29	43·7	33·6	38·7	+ 0·3	5	− 5	31	− 4	5	+ 2	0·73	+0·38	21	+ 4	32	+ 6
3. ENGLAND, EAST	50	27	43·2	33·3	38·2	0·0	3	− 8	31	− 8	5	+ 2	0·62	+0·26	18	− 2	26	− 3
4. MIDLAND COUNTIES	57	28	44·5	33·3	39·0	+ 0·6	7	− 6	33	− 6	5	+ 2	0·66	+0·23	17	+ 1	26	+ 1
5. ENGLAND, SOUTH	52	25	44·8	34·4	39·6	− 0·1	8	− 6	29	− 1	5	+ 1	0·83	+0·36	21	+ 2	30	+ 3
Western																		
6. SCOTLAND, WEST	52	22	43·7	33·4	38·5	− 0·7	5	− 5	31	0	6	+ 2	1·73	+0·78	20	+ 5	30	+ 7
7. ENGLAND, N.W.	54	21	43·7	34·3	39·0	− 0·3	5	− 6	28	− 2	6	+ 2	1·04	+0·49	19	+ 3	29	+ 4
8. ENGLAND, S.W...	54	22	46·4	35·1	40·7	− 0·3	12	− 5	27	+ 3	6	+ 3	0·97	+0·25	23	+ 3	33	+ 5
9. IRELAND, NORTH	54	29	45·4	34·4	39·9	− 0·6	10	− 5	29	+ 3	7	+ 3	0·61	−0·04	21	+ 4	32	+ 7
10. IRELAND, SOUTH	59	27	48·6	35·1	42·4	+ 0·5	28	+ 7	17	− 4	6	+ 2	0·87	+0·09	21	+ 3	31	+ 4
11. CHANNEL ISLANDS	52	36	48·1	40·1	44·1	+ 0·2	23	− 1	5	− 6	5	0	0·87	+0·23	29	+ 6	41	+ 8

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 11 Weeks, December 2nd, 1906, to February 16th, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	94	+ 11	424	+ 66	61	+ 4	14·91	+1·14	72	− 5	13	− 1
Eastern																		
1. SCOTLAND. EAST	58	5	*	*	*	*	94	+ 7	491	+ 81	59	− 6	4·78†	−1·70	140	+ 26	24	+ 4
2. ENGLAND, N.E...	56	15	*	*	*	*	68	− 34	449	+105	39	0	3·98	−0·70	159	+ 49	26	+ 8
3. ENGLAND, EAST	56	10	*	*	*	*	54	− 53	482	+ 91	37	− 4	4·28	−0·31	151	+ 18	24	+ 3
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	77	− 47	458	+ 62	35	− 6	4·01	−1·43	147	+ 29	24	+ 5
5. ENGLAND, SOUTH	56	3	*	*	*	*	86	− 72	356	+104	35	− 5	3·96	−2·00	162	+ 29	25	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	95	− 32	343	+ 66	50	+ 1	10·56	−1·70	106	+ 6	18	+ 1
7. ENGLAND, N.W...	57	14	*	*	*	*	88	− 39	347	+ 66	46	+ 1	6·53	−1·02	138	+ 37	23	+ 6
8. ENGLAND, SW.	56	5	*	*	*	*	113	− 88	320	+102	45	− 1	6·86	−2·65	167	+ 24	26	+ 4
9. IRELAND, NORTH	56	8	*	*	*	*	126	− 32	257	+ 11	55	+ 2	7·46	−1·24	122	+ 6	20	+ 1
10. IRELAND, SOUTH	59	11	*	*	*	*	197	− 41	227	+ 35	49	0	5·83	−4·28	124	− 13	20	− 2
11. CHANNEL ISLANDS	56	21	*	*	*	*	219	− 87	101	+ 23	49	− 3	5·97	−2·46	161	− 4	24	− 1

THE YEAR.—Aggregates, &c., for the period of 7 Weeks, December 30th, 1906, to February 16th, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	40	− 7	265	+ 20	37	0	9·44	+1·15	64	+ 7	17	+ 2
Eastern																		
1. SCOTLAND, EAST	56	5	*	*	*	*	39	− 15	323	+ 47	23	− 5	2·59†	−1·21	108	+ 23	28	+ 6
2. ENGLAND, N.E.	53	15	*	*	*	*	36	− 25	289	+ 55	22	− 3	1·88	−0·83	118	+ 39	29	+10
3. ENGLAND, EAST	52	10	*	*	*	*	24	− 41	311	+ 46	21	− 5	2·32	−0·43	108	+ 10	26	+ 2
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	41	− 36	306	+ 44	19	− 7	1·97	−1·36	100	+ 17	24	+ 4
5. ENGLAND, SOUTH	52	16	*	*	*	*	52	− 37	260	+ 60	18	− 8	2·32	−1·24	110	+ 18	26	+ 4
Western																		
6. SCOTLAND, WEST	53	16	*	*	*	*	44	− 29	215	+ 25	31	− 1	6·12	−1·21	75	+ 2	19	+ 1
7. ENGLAND, N.W.	54	15	*	*	*	*	43	− 29	236	+ 44	27	− 2	3·28	−1·31	102	+ 28	25	+ 7
8. ENGLAND, S.W...	54	5	*	*	*	*	61	− 56	227	+ 76	29	0	3·85	−1·80	117	+ 18	27	+ 4
9. IRELAND, NORTH	54	16	*	*	*	*	65	− 31	169	+ 2	35	+ 2	3·99	−1·28	88	+ 7	22	+ 2
10. IRELAND, SOUTH	59	11	*	*	*	*	121	− 23	155	+ 29	30	− 1	3·21	−2·86	87	− 6	21	− 2
11. ENGLISH CHANNEL	53	21	*	*	*	*	122	− 51	76	+ 16	28	− 5	3·04	−1·66	116	− 1	27	0

† Corresponding values for last week slightly altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

February 10–February 16, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	47	30	41·4	33·6	37·5	− 0·5	0	32	5	1·94	+ 1·21	17·6	+ 3·8	28	+ 6
	Stornoway	51	23	43·4	29·1	36·3	− 2·6	4	46	7	1·48	+ 0·51	17·4	+ 2·4	27	+ 4
0. SCOTLAND, N. — Mainland.	Wick	48	27	42·7	30·4	36·6	− 1·4	2	41	4	0·57	+ 0·05	*	*	*	*
	†Lairg (Strathpeffer) 𝔖	50	15	42·2	23·6	32·9	− 2·8	1	65	6	1·71	+ 0·98	18·1	+ 2·7	28	+ 4
	Glencarron 𝔖	49	17	40·8	27·8	34·3	− 2·6	0	54	6	3·80	+ 2·01	*	*	*	*
	Fort Augustus 𝔖	50	20	41·9	29·7	35·8	− 2·5	0	43	5	1·95	+ 0·93	11·6	+ 1·2	18	+ 2
	Fort William 𝔖	50	23	43·2	31·6	37·4	− 1·8	3	37	5	3·70	+ 1·88	*	*	*	*
1. SCOTLAND, E.	Nairn	55	26	44·3	30·3	37·3	− 0·5	6	43	4	0·46	+ 0·06	24·9	—	39	—
	Aberdeen	52	30	44·1	33·4	38·8	+ 0·8	6	32	6	0·71	+ 0·15	19·9	+ 1·9	31	+ 3
	†Balmoral (Crathes) 𝔖	50	19	39·7	29·9	34·8	+ 0·3	0	50	5	0·53	− 0·14	26·5	—	41	—
	†Clathick (Balruddery) 𝔖	51	24	43·4	31·3	37·4	− 0·6	4	39	4	1·08	+ 0·25	20·9	—	32	—
	†Leith (Edinburgh) 𝔖	53	29	45·1	33·6	39·4	− 0·4	9	32	5	0·46	+ 0·09	24·4	+ 10·5	38	+ 16
	Marchmont 𝔖	49	23	40·3	29·3	34·8	− 2·5	0	50	5	0·87	+ 0·30	20·4	+ 4·1	31	+ 6
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	52	30	44·5	32·9	38·7	+ 0·2	7	34	5	1·05	+ 0·51	24·3	—	37	—
	†Shields (Newcastle)	52	29	44·9	31·4	38·2	− 1·0	8	39	6	0·56	+ 0·18	16·9	+ 4·9	26	+ 7
	Durham	51	29	42·3	33·5	37·9	0·0	1	30	6	0·53	+ 0·15	21·5	+ 5·1	33	+ 8
	Scarborough 𝔐	52	32	44·6	34·8	39·7	+ 0·5	7	27	4	0·73	+ 0·27	22·4	—	33	—
	York	53	31	44·2	34·9	39·6	+ 0·6	6	27	7	0·54	+ 0·14	20·7	+ 6·6	31	+ 10
2. ENGLAND, N.E. — Southern part.	Spurn Head	48	33	42·1	34·9	38·5	− 0·6	0	25	5	0·91	+ 0·61	17·7 *	*	*	*
	†Lincoln (Skegness)	53	30	44·1	32·8	38·5	− 0·3	6	34	6	0·88	+ 0·48	18·0	—	27	—
	†Fulbeck (Rauceby)	52	30	43·1	33·2	38·2	− 0·3	3	32	4	0·60	+ 0·20	20·4	—	30	—
3. ENGLAND, E. — Northern part.	Hillington 𝔐	48	29	42·3	32·1	37·2	− 1·4	1	35	5	0·87	+ 0·42	15·7	− 1·8	23	− 3
	†Yarmouth (Lowestoft)	47	29	41·4	33·6	37·5	− 0·9	0	32	7	0·80	+ 0·43	16·0	—	24	—
	Geldeston	48	29	43·3	32·6	38·0	− 1·0	4	34	6	0·51	+ 0·17	18·4	− 0·1	27	0
	(Cromer)												17·0	—	25	—
3. ENGLAND, E. — Southern part.	Cambridge	50	28	44·8	33·4	39·1	+ 0·1	8	32	5	0·56	+ 0·21	18·2	− 0·2	27	0
	Felixstowe	47	29	42·0	33·5	37·8	− 1·6	0	29	5	0·62	—	19·4	—	29	—
	Clacton-on-Sea	47	29	42·0	33·1	37·6	− 1·8	0	31	5	0·40	—	20·7	—	30	—
	Rothamsted	49	27	43·7	32·7	38·2	− 0·3	5	34	6	0·78	+ 0·32	20·3	+ 3·3	30	+ 5
	†Shoeburyness (Southend)	48	28	43·4	33·1	38·3	− 1·5	4	32	5	0·43	+ 0·13	19·0	—	28	—
	London, Westminster	50	31	45·6	35·4	40·5	0·0	10	26	5	0·59	+ 0·19	13·8	+ 5·2	20	+ 8
	(Dunmow)												16·1	—	24	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	50	29	41·9	32·6	37·3	− 0·5	0	33	7	1·03	+ 0·50	18·8	—	28	—
	†Bawtry (Worksop)	54	30	45·7	33·7	39·7	+ 0·7	10	32	6	0·59	+ 0·18	18·7	− 0·4	20	− 1
	Nottingham	54	30	44·3	33·7	39·0	− 0·1	6	31	6	0·67	+ 0·27	12·0	—	18	—
	Colly Weston	54	31	44·9	33·3	39·1	+ 0·2	8	32	4	0·64	+ 0·25	*	*	*	*
	Birmingham, Edgbaston	52	30	43·4	33·9	38·7	− 0·3	4	30	5	0·36	− 0·07	12·9	—	19	—
	Oxford	50	32	45·1	34·6	39·9	+ 0·1	9	28	4	0·53	+ 0·10	20·2	+ 3·7	30	+ 5
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) 𝔐	53	28	41·5	32·3	36·9	− 0·9	0	36	6	1·09	+ 0·53	17·6	—	26	—
	Shrewsbury	57	29	45·8	34·8	40·3	+ 0·2	11	28	5	0·43	—	*	*	*	*
	Hereford 𝔐	53	28	46·0	32·7	39·4	− 0·4	11	36	5	0·49	− 0·04	*	*	*	*
	Cirencester	48	30	44·3	32·6	38·5	− 0·1	6	35	4	0·65	+ 0·09	20·0	+ 2·1	29	+ 3
	Bath	51	30	46·7	32·6	39·7	− 0·7	13	37	5	0·79	+ 0·25	23·9	—	35	—
	(Margate)												19·3	+ 1·6	28	+ 2
5. ENGLAND, S	Kew	50	29	45·6	34·8	40·2	+ 0·1	10	28	5	0·73	+ 0·33	22·2	− 1·8	33	+ 12
	Wisley, Surrey	49	28	45·1	33·8	39·5	+ 0·2	9	31	6	0·84	—	22·8	—	34	—
	†Swarraton (Ventnor) 𝔐	50	25	44·2	32·4	38·3	− 0·5	6	35	5	1·01	+ 0·41	27·0	+ 7·0	39	+ 10
	Tunbridge Wells 𝔐	46	25	43·1	31·5	37·3	− 1·7	3	38	6	0·94	+ 0·40	23·4	+ 6·4	34	+ 9
	†Dungeness (Littlestone)	49	31	42·7	34·1	38·4	− 1·6	2	28	5	0·79	+ 0·46	12·3	—	18	—
	Hastings	48	28	43·7	34·1	38·9	− 1·3	5	29	5	0·74	+ 0·23	19·4	− 1·1	28	− 2
	Southampton	52	28	48·0	35·1	41·6	+ 0·3	17	29	5	1·01	+ 0·46	23·1	+ 4·4	34	+ 6
	†Portland Bill (Worthing)	47	35	45·6	39·0	42·3	+ 0·4	15	8	4	0·59	—	21·2	—	31	—
	(Eastbourne)												19·2	+ 0·3	28	0
6. SCOTLAND, W.	†Laudale (Oban)	52	28	44·6	32·9	38·8	− 1·1	7	34	5	2·94	+ 1·26	16·8	—	26	—
	Glasgow 𝔖	49	27	42·2	33·3	37·8	− 1·3	1	31	5	1·40	+ 0·70	16·4	+ 5·6	25	+ 9
	Dumfries 𝔖	49	23	43·2	32·2	37·7	− 1·2	3	35	6	1·91	+ 1·05	*	*	*	*
	Cally 𝔖	48	22	43·3	32·7	38·0	− 0·8	4	33	6	1·09	+ 0·05	*	*	*	*
	Douglas, Isle of Man	50	26	45·1	35·7	40·4	− 0·3	9	24	6	1·32	+ 0·52	26·4	+ 8·9	39	+ 13
7. ENGLAND, N.W.	Aspatria	48	24	42·0	33·2	37·6	− 0·7	0	31	5	1·04	+ 0·49	18·3	—	28	—
	Newton Rigg	50	21	40·9	32·2	36·6	− 0·4	0	38	5	1·02	+ 0·22	14·5	− 0·5	22	− 1
	Stonyhurst	50	26	41·4	33·1	37·3	− 1·4	0	33	6	2·12	+ 1·32	20·3	+ 5·8	30	+ 9
	Blackpool 𝔐	48	29	41·7	34·5	38·1	− 1·2	0	27	6	0·80	+ 0·24	23·1	+ 7·4	35	+ 11
	Manchester, Prestwich	53	28	43·1	33·7	38·4	− 0·4	3	30	5	1·09	+ 0·52	17·3	+ 7·3	26	+ 11
	†Liverpool Obs. (Hoylake)	53	32	44·6	34·3	39·5	− 0·4	7	29	5	0·73	+ 0·30	23·0	—	34	—
	†Hawarden Bridge (Southport)	54	31	46·3	33·5	39·9	− 0·8	12	33	6	0·65	+ 0·30	22·1	+ 5·8	33	+ 9
NORTH WALES	Llandudno 𝔐	52	32	45·1	36·9	41·0	− 0·8	9	20	6	0·74	+ 0·23	24·1	+ 6·5	36	+ 10
	†Holyhead (Aberdovey)	50	34	45·9	36·9	41·4	− 0·4	11	21	6	0·81	+ 0·21	21·9	—	32	—
	Bettws-y-Coed	51	27	45·6	35·1	40·4	− 1·2	10	27	5	1·39	—	12·0	—	18	—
8. SOUTH WALES	Llangammarch Wells	49	22	44·2	31·4	37·8	− 1·6	6	39	6	1·50	—	14·3	—	21	—
	Pembroke	48	36	46·6	39·6	43·1	+ 0·7	18	7	6	1·02	+ 0·36	23·5	+ 4·6	35	+ 7
	†Cardiff (Aberystwyth)	49	29	46·1	32·5	39·3	− 1·5	11	36	5	0·69	− 0·10	20·5	—	30	—
8. ENGLAND, S.W.	†Clifton (Torquay)	49	29	45·9	34·9	40·4	− 0·2	11	28	5	0·90	+ 0·30	29·8	+ 10·5	43	+ 15
	†Shaftesbury (Marlborough) 𝔐	50	29	45·0	33·3	39·2	+ 0·7	8	33	5	0·89	+ 0·28	17·1	+ 2·2	25	+ 3
	†Arlington (Newquay)	48	27	45·3	33·3	39·3	− 1·3	9	33	7	1·54	+ 0·56	24·0	+ 4·1	35	+ 6
	Cullompton 𝔐	54	27	48·1	32·3	40·2	− 0·9	17	38	5	0·73	+ 0·01	24·6	+ 7·4	36	+ 11
	Plymouth	52	33	48·0	38·1	43·1	+ 0·4	21	11	6	0·95	+ 0·25	26·5	+ 7·3	38	+ 11
	Falmouth	52	36	48·4	40·1	44·3	+ 0·6	24	5	6	0·54	− 0·39	27·2	+ 6·6	39	+ 10
9. IRELAND, N. — Western part.	Malin Head	50	32	43·7	35·4	39·6	− 2·1	5	25	7	0·93	+ 0·40	*	*	*	*
	Edenfel	52	29	44·1	32·4	38·3	− 0·7	6	35	7	1·20	+ 0·54	*	*	*	*
	Blacksod Point	51	33	46·4	37·6	42·0	− 0·9	12	12	7	1·18	+ 0·28	*	*	*	*
	Markree Castle	54	29	46·2	34·5	40·4	− 0·1	12	30	7	0·95	+ 0·20	19·4	+ 3·9	29	+ 6
9. IRELAND, N. — Eastern part.	Armagh	52	29	45·8	33·1	39·5	− 0·5	11	34	7	0·60	+ 0·08	23·3	+ 7·9	35	+ 12
	Donaghadee	53	30	46·0	33·6	39·8	− 1·2	11	32	6	0·60	+ 0·04	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	56	32	47·4	35·6	41·5	− 1·0	15	26	6	0·58	+ 0·08	26·0	+ 8·0	39	+ 12
	Kilkenny	56	29	47·6	33·9	40·8	− 0·8	16	33	6	0·62	− 0·03	*	*	*	*
	Waterford	54	30	48·1	34·7	41·4	− 0·7	17	30	5	0·73	− 0·12	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	54	27	46·9	33·0	40·0	− 0·8	14	35	7	0·78	+ 0·23	20·9	+ 4·7	31	+ 7
	Foynes	56	33	49·4	36·8	43·1	+ 0·3	30	15	6	0·97	+ 0·21	*	*	*	*
	Killarney	59	31	50·3	37·0	43·7	+ 0·3	33	14	6	0·96	− 0·29	*	*	*	*
	Valencia	54	35	50·1	39·9	45·0	+ 0·1	30	6	7	1·35	+ 0·10	17·8	− 0·2	26	0
	†Roches Point (Ballinacurra)	52	34	48·7	38·1	43·4	− 0·5	26	11	6	0·94	− 0·08	20·4	—	30	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	51	39	49·1	42·0	45·6	0·0	25	0	4	0·49	− 0·18	23·0	+ 1·6	33	+ 2
	†Jersey, St. Aubins (St. Helliers)	52	36	47·7	38·3	43·0	− 0·1	23	10	6	1·11	+ 0·48	30·4	+ 8·7	43	+ 12
	Guernsey	49	38	47·5	39·9	43·7	0·0	21	6	5	1·00	+ 0·31	32·0	+ 9·0	46	+ 13

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 18·5 hrs., 27 %; Brighton, 20·6 hrs. (+ 1·4) 30 % (+ 2 %); Bournemouth, 31·6 hrs., 46 %; Boguor, 24·0 hrs., 35 %; Rhyl, 25·8 hrs., 39 %; Tenby, 24·3 hrs. (+ 4·5), 36 % (+ 7%).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	37·8
	Crathes	5	23	33·0	36·1
	Marchmont ..	—	—	32·0	—
	— — ..				
2.	Cockle Park	6	25	33·8	37·2
	York	—	—	35·2	39·3
	Hull	5	25	34·3	39·1
	Lincoln	—	—	35·7	38·9
3.	Cambridge	6	23	35·1	39·5
	Dunmow	3	23	—	—
	Clacton-on-Sea ..	4	24	37·2	41·0
4.	Harrogate	5	23	35·3	37·9
	Sheffield	3	26	34·2	39·2
	— — ..				
	Birmingham	6	22	37·3	42·2
	Nottingham	5	24	33·5	36·8
	— — ..				
5.	Kew	4	23	36·4	40·7
	Canterbury	6	24	35·8	41·3
	Portsmouth	3	20	38·8	41·5
	Wisley	—	—	36·9	39·9
6.	— — ..				
	Glasgow	4	20	—	—
	— — ..				
7.	Newton Rigg ..	4	13	34·6	38·5
	Southport	5	17	33·0	37·7
	Bettws-y-Coed ..	2	25	36·4	41·0
	Manchester City ..	2	27	33·7	40·0
	— — ..				
8.	Llangammarch Wells	5	14	35·5	41·1
	Bath	—	—	37·7	42·0
	Plymouth	3	25	40·2	—
	— — ..				
9.	Armagh	4	27	36·9	41·0
	Markree Castle ..	4	25	—	—
10.	Dublin, Trin. Coll. ..	4	25	38·6	41·6
11.	Guernsey, Brooklyn	2	30	41·2	43·4

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	42	42·0
	Kirkwall	43	37	39·9
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	40	36	37·3
	Pennan Bay	39	38	38·5
	Aberdeen, Cove Bay ..	40	39	39·2
ENGLAND, N.E.	Burnmouth, Berwick ..	42	37	38·7
	Scarborough	39	35	37·9
ENGLAND, E.	Shipwash Lightship ..	40	36	37·9
ENGLAND, S.E.	Eastbourne‡	38	36	36·7
SCOTLAND, W.	Lamlash	44	42	43·2
	Ballantrae	44	41	42·0
ENGLAND, N.W.	Port Erin	45	44	44·5
ENGLAND, S.W.	Newquay	46	45	45·3
	Plymouth	45	43	44·2
	Salcombe	44	43	43·2
IRELAND, N.W.	Sheephaven	45	43	44·2
	Ballyglass	49	42	44·5
IRELAND, S.W.	Cleggan	45	39	43·2
	Seafield	47	41	44·4
IRELAND, E.	Kingstown‡	42	41	41·3

‡ Only one observation each day.

AURORA BOREALIS.

A vivid display of Aurora Borealis was observed on the evening of Saturday, February 9th. Accounts of the phenomena observed at the observatories at Aberdeen and Falmouth have been received at the Office. These reports have been published respectively in the issue of "Nature" for Thursday, February 14th, and in the "Cornish Echo" for February 15th.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

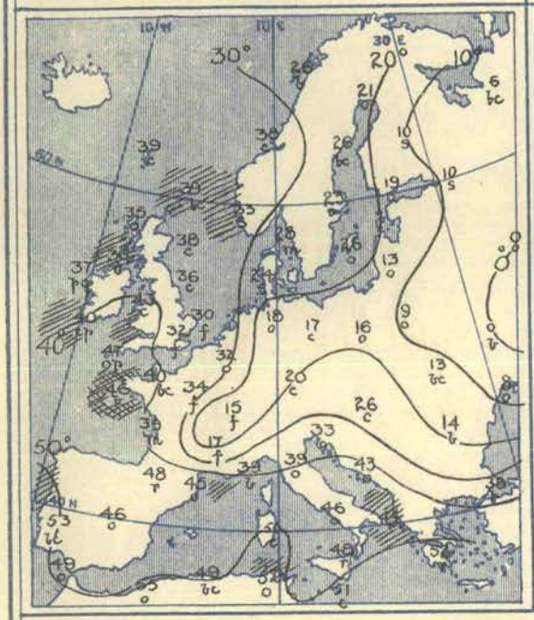
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

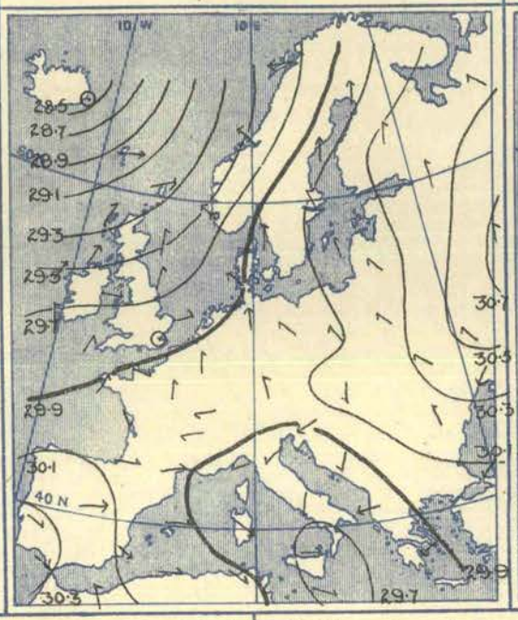
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 10th February, 1907.

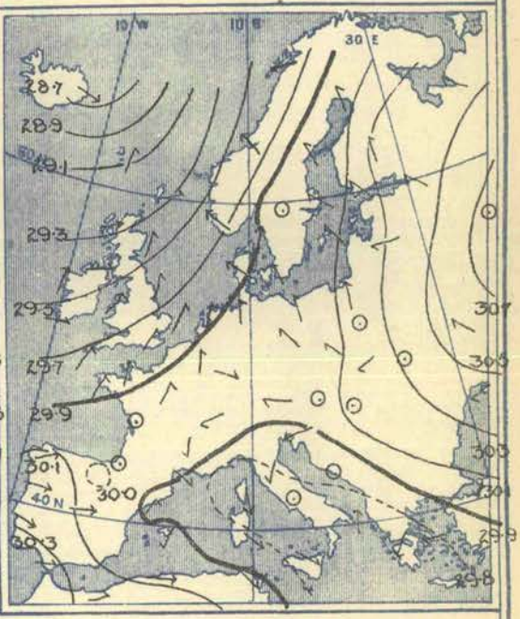
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the south of Russia and its neighbourhood, and also in the Riviera; cloudy or overcast as a whole, with rain at Brindisi, Biarritz, and Patras, and snow in Holland, at Skudesnaes, and in Finland. Fog prevailing in the south-east of England and the nearer regions of the Continent. Snow, sleet, or rain experienced later except over most of Russia, the north of Italy, and the south-east of France, and a large portion of central Europe. Largest measurement, 1·0 in. at Bilbao.

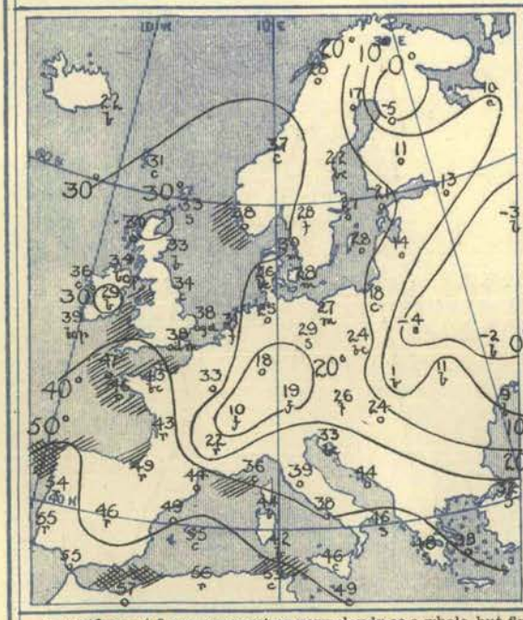
Temperature changed irregularly; risen over the Spanish Peninsula, France, and the Netherlands, fallen over the southern half of Russia. Readings in morning slightly below or rather above zero over Russia, and much below the freezing point over Europe as a whole; above 35° at nearly all our own stations, and above 50° at a few places in the far south of our area. Maxima during day below 32° over northern and central Europe and the east of France, above 40° in most parts of these Islands, and above 50° in the south-west of France and on many shores of the Mediterranean. Highest reading, 63° at Nemours.

Wind in morning moderate or fresh from the South-Westward over the United Kingdom and from between South and South-East in Scandinavia. Light anticyclonic airs prevailing over Russia, and a moderate to fresh cyclonic circulation over the Mediterranean. Scarcely any change in direction during day, but South-Easterly wind increasing to a gale at Skudesnaes.

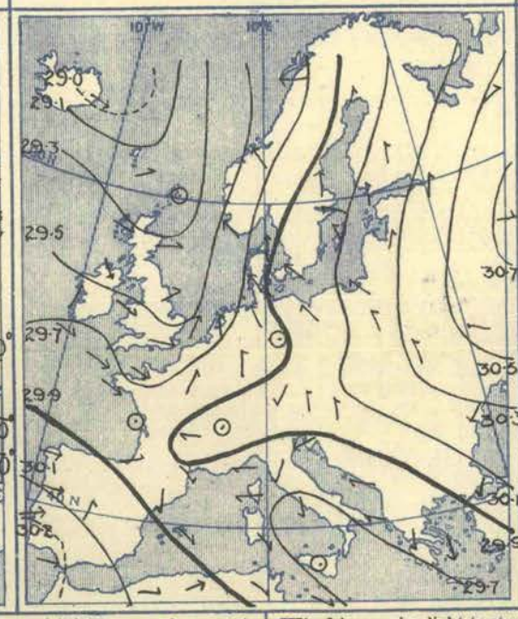
Barometer in morning ranging from above 30·7 ins. in an anticyclone over Russia to below 29·7 ins. in a depression having its minimum over Sicily, and to 28·42 ins. at Seydisfjord. Gradients rather steep over Norway and between that country and Iceland. Very little change occurring in the general distribution of pressure during the ensuing twenty-four hours. Barometer falling slowly over our Islands, and rising in Iceland. Southern depression becoming rather less deep.

Monday, 11th February, 1907.

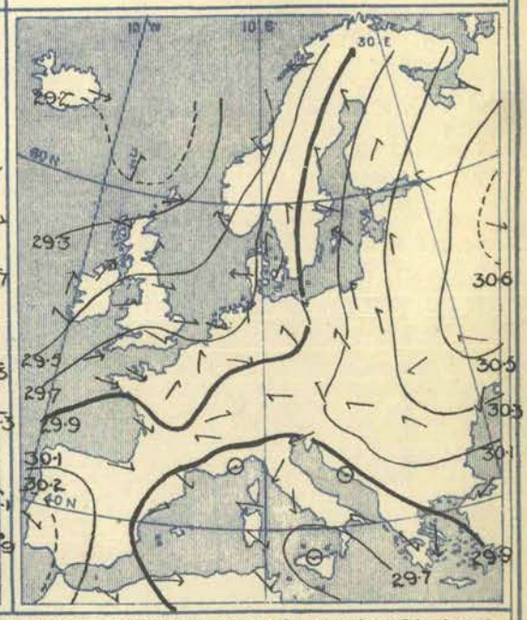
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast or very cloudy as a whole, but fine and bright over a large part of Russia and at many of our own stations. Snow falling in Shetland and at Berlin and also at Constantinople and Patras, and rain on the south-east coast of England, in the west of France, the Spanish Peninsula, and at Algiers. More than half an inch of rain falling later in the south of Ireland, and smaller quantities of sleet or snow over these Islands generally. A certain amount of rain experienced in the north and west of France and at isolated spots in other regions, but weather remaining dry on the Continent as a whole.

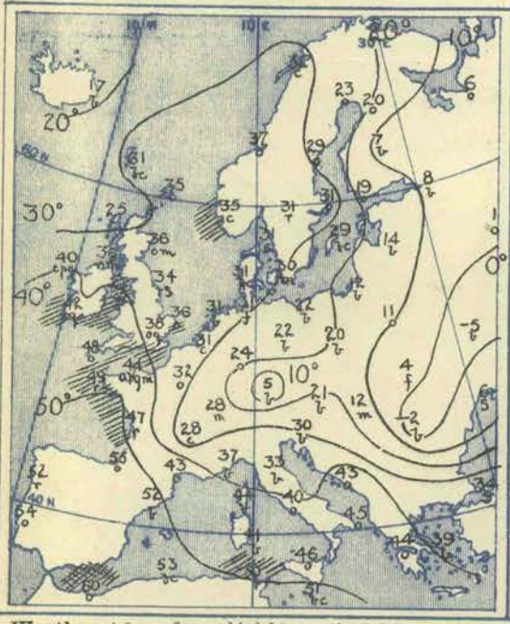
Temperature showing no decided change over our area generally, but fallen over most parts of these Islands. Readings in morning below zero at Warsaw and at several stations in Russia, below 20° in many other regions, and below 32° at nearly all stations on the mainland north of latitude 45°. Above the freezing point in nearly all parts of the United Kingdom, and between 40° and 50° in the Mediterranean region. Rising later to 68° at Nemours, and to above 50° in the south of Italy and the Riviera, but maxima below 40° at some of our own stations, and below 32° over central and northern Europe.

Wind in morning light to strong from the North-Westward over the west of our Islands and moderate from the Southward on our south-east coasts and over the Low Countries; strong to a gale from the South-Eastward on the south-west coast of Norway. A partial cyclonic circulation shown over the Mediterranean, and light winds between South-East and South-West over the east of our area. Backing to the Southward along our western coasts by evening and subsequently increasing greatly in force from that quarter. Gale continuing all day on the south-west coast of Norway.

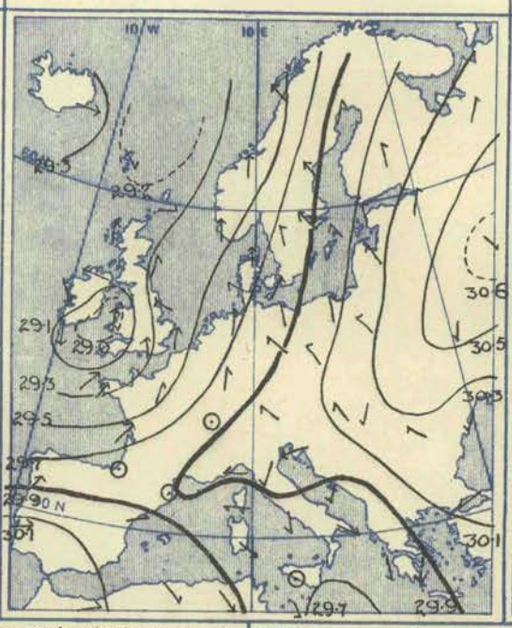
Barometer in morning above 30·7 ins. in an anticyclone over Russia, and above 30·2 ins. over the south-west of the Spanish Peninsula; below 29·7 ins. in a depression over the Mediterranean, less than 29·0 ins. in Iceland, and relatively low in a V-shaped system over our Islands. Pressure giving way quickly on the west and south-west coasts of this country later, and a deep depression advancing from the Atlantic. Little change taking place in the general distribution of pressure on the Continent.

Tuesday, 12th February, 1907.

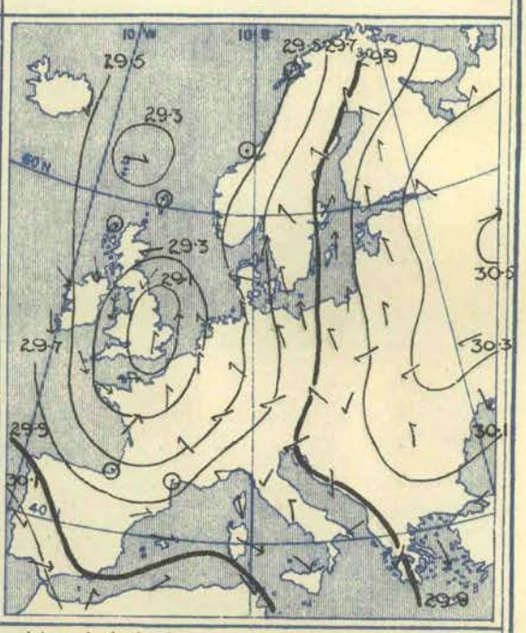
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Baltic region and in several parts of central and southern Europe; cloudy or overcast as a whole, rain in Brittany and on our southern coasts, rain, sleet, or snow over our Islands generally, snow at Odessa and Constantinople, and rain at La Calle and Oporto. Considerable or heavy precipitation experienced later over this country and France, as much as 0·7 in. at Spurn Head, and about an inch at Limoges and Cape Sicié.

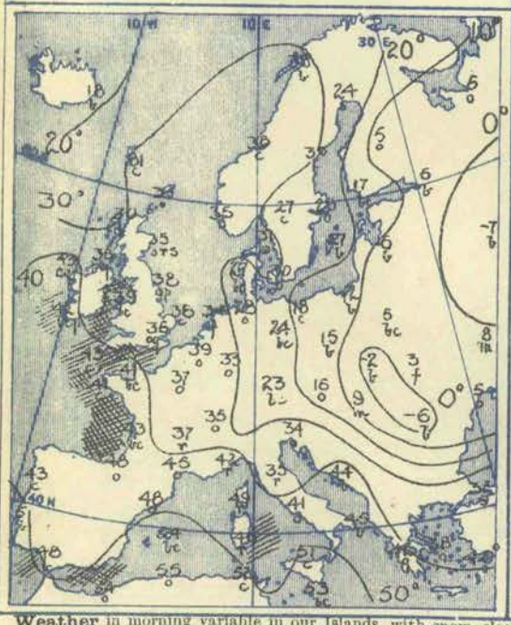
Temperature fallen in the central countries, risen over France and our Islands. Readings in morning below 32° over the major portion of the Continent and in the north of Scotland, and below zero in the south of Russia and at Hermanstadt. Above 45° at some of our most south-western stations, above 50° in the south-west of the Continent, and as high as 60° at Nemours. Frost continuing all day in the central and northern regions, but maxima much higher than of late in the Spanish Peninsula and Algeria. Thermometer rising to 59° at San Fernando, 61° at Palma, and to 70° at Nemours.

Wind in morning showing a complete cyclonic circulation over our Islands, fresh to strong or high on most coasts, but light in the north. Light or moderate breezes mainly from the Northward over the Mediterranean, and light or moderate Southerly winds prevailing over the north-east of our area. Northerly current increasing to a gale later on our west and south-west coasts, but little change of a general character.

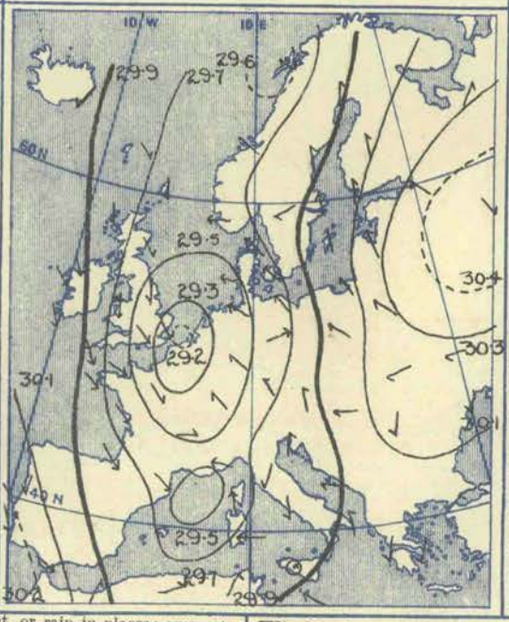
Barometer in morning ranging from above 30·6 ins. in an anticyclone over Russia and above 30·2 ins. over the south of Spain to below 29·7 ins. at Malta, less than 29·2 ins. at Thorshavn, and to below 29·0 ins. in a depression over the St. George's Channel and the Irish Sea. Latter system travelling eastwards later and reaching the midland counties by evening. Increase of pressure in its rear very brisk on our west coast. Gradients becoming steeper over the Bay of Biscay.

Wednesday, 13th February, 1907.

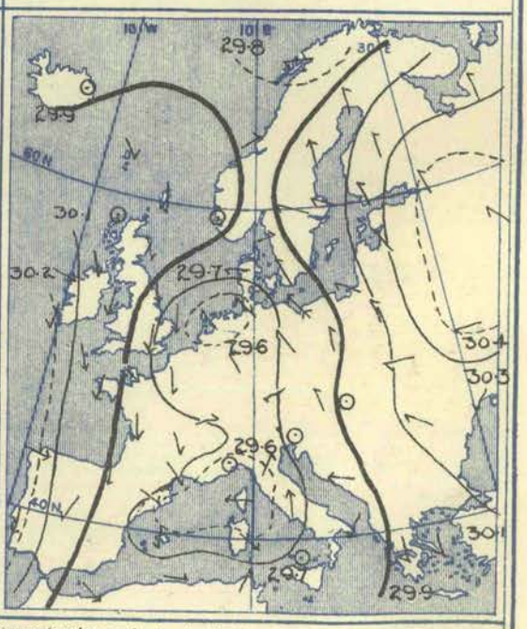
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning variable in our Islands, with snow, sleet, or rain in places; overcast over the greater portion of southern Europe, with rain at some Mediterranean stations, and snow at Constantinople. Fine and bright over the Baltic region, some parts of central Europe and large districts in Russia. Heavy rain falling later over Italy, Corsica, and the south of France, and also at Trieste and over Algeria, and some snow over Denmark and North Germany.

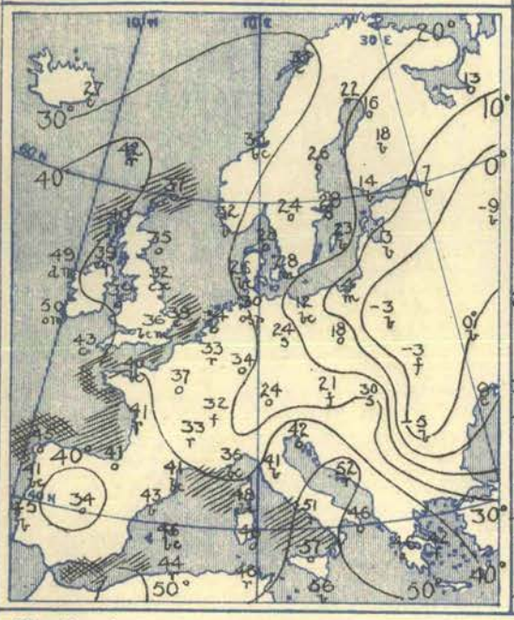
Temperature fallen in most places, risen over the Low Countries, Western Germany, and inland France. Readings in morning below zero at Cracow, Hermanstadt, and Moscow, and below 32° over most of the eastern half of our area. About 35° at several of our own stations and no higher than 38° at Athens, but above 50° at Lisbon and at some stations on the shores of the Mediterranean. Rising later to 66° at Tunis and La Calle, to 60° at Palermo and Cagliari, 59° at Barcelona, and to 55° at Patras. Thermometer continuing below 32° over most of central and eastern Europe, and not exceeding 40° in many English districts.

Wind in morning showing a very extensive cyclonic circulation over our Islands and the nearer countries of the Continent, and a smaller movement over the western half of the Mediterranean. Northerly current strong to a gale over England, Ireland, and France, and that from the South-Eastward strong beyond the North Sea. Fresh to high winds from various directions prevailing over the Mediterranean. A gradual decrease in force occurring during day, but little other change.

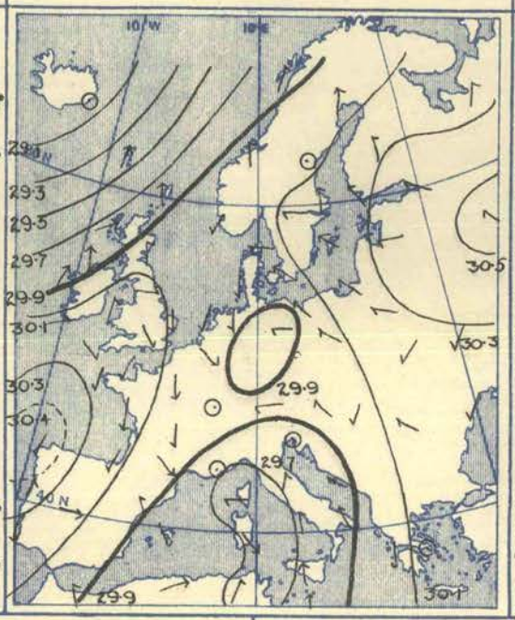
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its maximum over Russia and above 30·2 ins. in the south-west of the Spanish Peninsula to below 29·5 ins. in a depression off the south of France and to less than 29·2 ins. in another system centred between the coasts of Norfolk and Holland. Scarcely any change in the general distribution taking place during day, but both depressions becoming less deep, especially the more northern. Spanish high pressure extending northwards to the south-west of Ireland.

Thursday, 14th February, 1907.

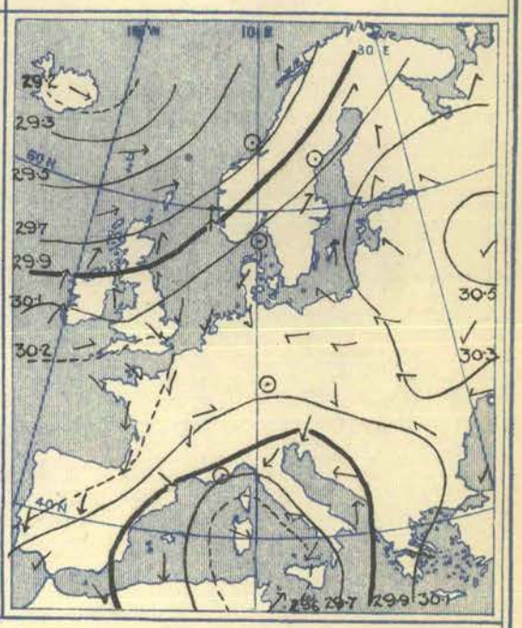
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in Portugal, the Riviera, the south-east of England, and over the major portion of Russia; cloudy or overcast as a whole, with rain on our most north-western coasts, and at some French and Algerian stations, and rain or snow in Germany. Snow also falling at Buda-Pesth and rain at Lesina. A little rain falling later in most parts of the United Kingdom and heavier amounts in various parts of the Mediterranean region.

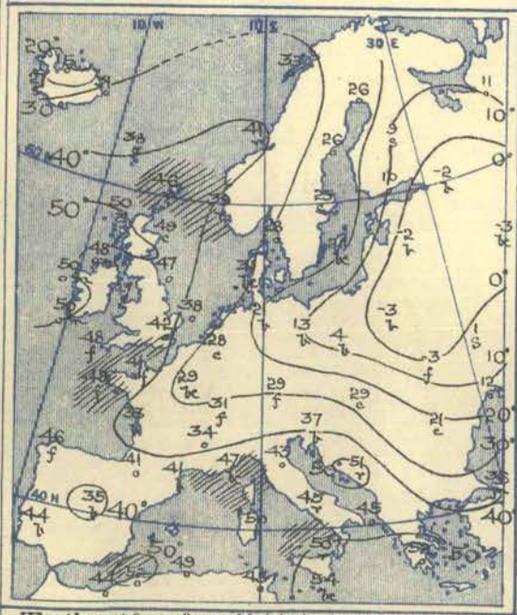
Temperature fallen over Algeria, the south of France, and the region of the Baltic, risen in most other districts. Readings in morning 57° at Malta, 51° at Naples and Oran, and 50° at Valencia (Ireland); below 35° in many parts of Great Britain, and below the freezing point over the greater part of central and eastern Europe, as well as in the far north. Below zero over large tracts in Russia and Poland, and as low as -9° at Moscow. Maxima during day much below 32° over central Europe and Russia, and below 40° in the east of France. Thermometer rising to above 50° at our own most western stations and in the south of our area, and to 60° at Malta.

Wind in morning Southerly to South-Westerly, moderate to strong, over the most north-western parts of our area; a feeble cyclonic circulation shown over Germany, and a stronger movement over the Mediterranean. A Southerly gale prevailing in Sicily. Very little change occurring later.

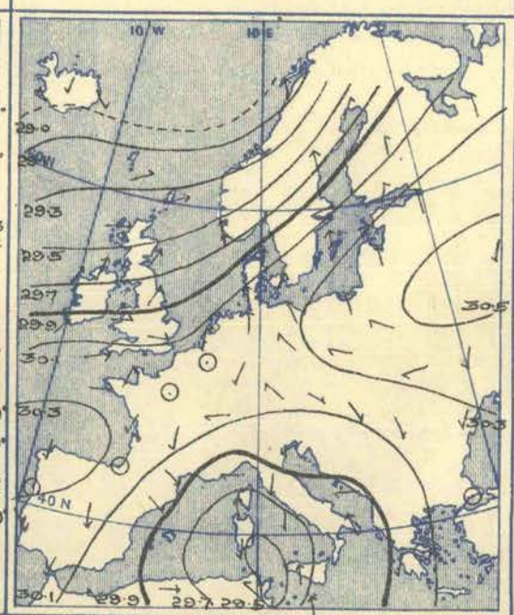
Barometer in morning ranging from above 30·5 ins. in an anticyclone over Russia and above 30·4 ins. over the north-west of Spain to 29·06 ins. at Seydisfjord. Relatively low in depressions over Germany and the Mediterranean. German depression almost entirely dispersing by evening, but that over the Mediterranean becoming rather deeper. High pressure in the north-west of Spain extending north-eastwards towards these Islands, and Russian anticyclone maintaining its position. Barometer falling decidedly over Scotland under the influence of a disturbance far to the northward.

Friday, 15th February, 1907.

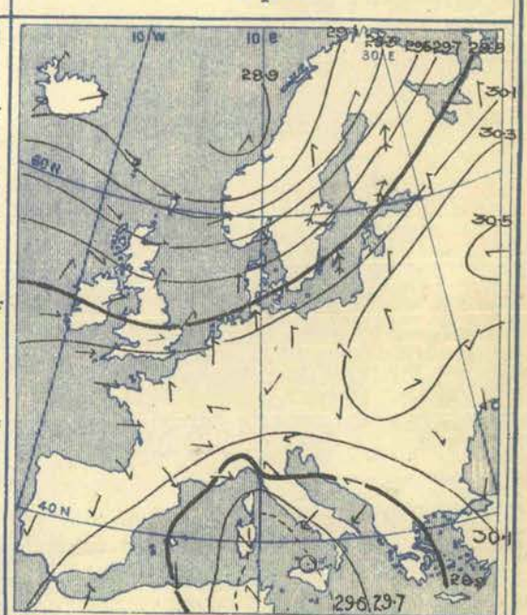
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the Riviera, Germany, and in a few localities elsewhere; cloudy or overcast as a whole, with rain in Brittany, Norway, the extreme north of these Islands, and on the shores of the Adriatic and in Sicily, and snow at Reykjavik and Aumale. Foggy on our south-west coasts and at Brest. Slight rain falling later in most parts of these Islands and heavy amounts of rain or snow in Shetland, Norway and Sweden, and as much as three inches (apparently of snow) at Aumale. Rather heavy rain experienced on some shores of the Mediterranean.

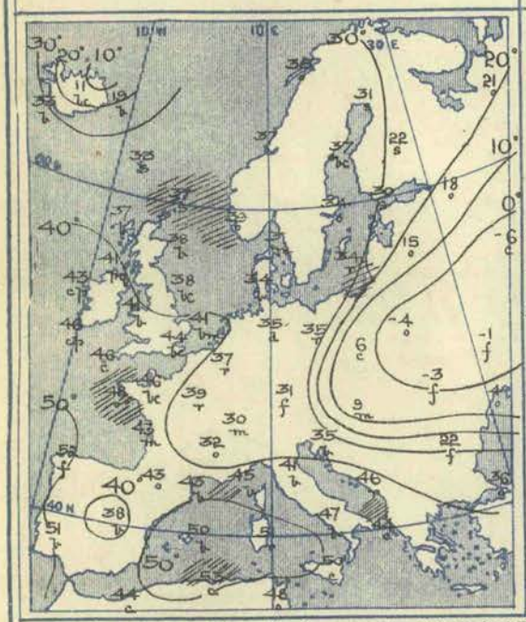
Temperature risen over these Islands and Scandinavia, fallen in most other regions. Readings in morning below the freezing point over most of the Continent, and below zero over a large portion of Russia and Poland; about 50° in many parts of Ireland and Scotland and in the extreme south of our area, but no higher than 32° at Aumale. Maxima during day above 55° at several stations in the Mediterranean region and only slightly lower in the north of our Islands, but thermometer only touching 36° at Lyons and 37° at Aumale. Severe frost continuing all day in Austria-Hungary, Poland and Russia.

Wind in morning showing a South-Westerly current over all the more north-western countries, strong to a gale in Scandinavia, and a well-marked cyclonic circulation over the Mediterranean. Strong or high winds from almost every direction reported from the latter region. A gale from the North-Eastward setting in at Trieste later, but no other important change.

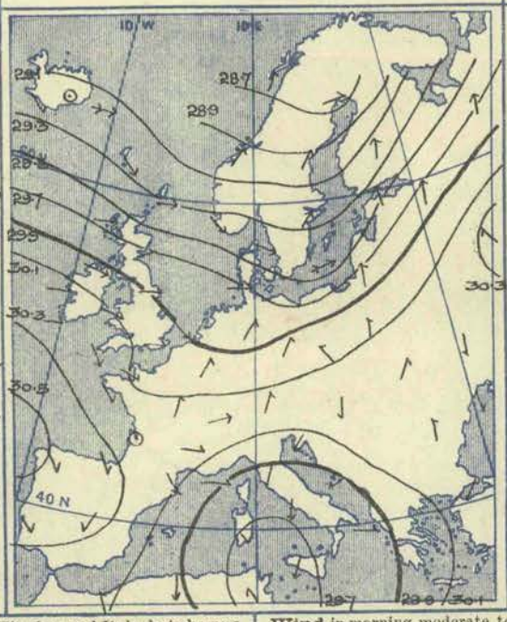
Barometer in morning above 30·5 ins. over central Russia, and relatively high in a band extending thence to the Bay of Biscay and Spain. Below 29·5 ins. in a depression over the Mediterranean, and less than 29·0 ins. in another system between Iceland and Norway. Latter moving eastwards or south-eastwards during day, but no great modification taking place in the general distribution of pressure.

Saturday, 16th February, 1907.

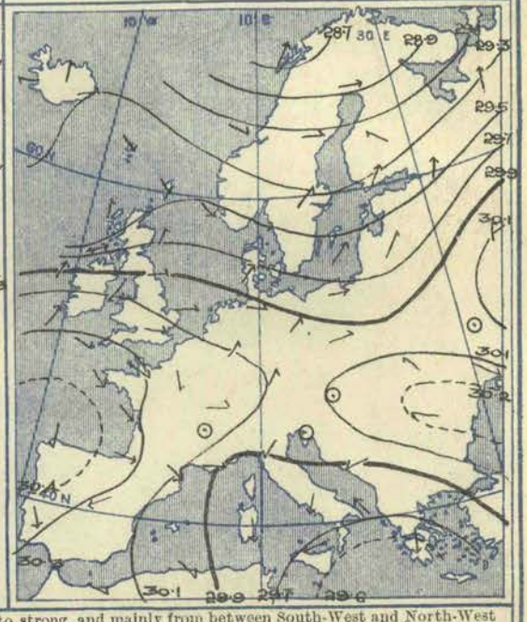
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fair or fine in most parts of the United Kingdom and Italy, but showers falling on the west coast of Ireland and snow at Sumburgh Head. Cloudy or overcast in nearly all other regions, with rain or snow in various parts of France, Germany, and Finland, rain at Lesina, and snow at Aumale. Nearly an inch of rain experienced later in the Hebrides and various amounts of precipitation in most other parts of these Islands, and also in many Continental regions.

Temperature fallen generally except over the Low Countries, the region of the Baltic, Sweden, and Finland. Readings in morning some degrees below zero over a considerable portion of Poland and the southern half of Russia, and below 32° over the east and north-east of our area generally, as well as at some stations in the north of Italy and central France. Above 45° in the extreme south-west of our Islands, and above 50° in Portugal and at a few Mediterranean stations. As low as 32° at Aumale. Thermometer rising to 50° during day at several of our own stations, to many degrees above that point in southern Europe, to 61° at Madrid and Nice, and to 70° at Nemours.

Wind in morning moderate to strong, and mainly from between South-West and North-West over the northern half of our area, with gales at Seydisfjord and Wisby, but drawing into South in the north of Russia. A cyclonic circulation prevailing over the Mediterranean, the Northerly current blowing freshly or strongly in several places. Increasing in force during day on our north-west coast, and reaching a gale from West-South-West at Malin Head. Wind backing over our Islands generally.

Barometer in morning above 30·5 ins. in the north-west of Spain, above 30·3 ins. over central Russia, and relatively high in the intervening region. Below 29·7 ins. in a depression having its centre in the neighbourhood of Sicily, and below 28·7 ins. in another disturbance with its minimum over Lapland. A secondary depression from the Atlantic causing a brisk decrease of pressure on our north-west coasts during day, and barometer also falling in the east and north east of our area. Little change occurring over southern Europe.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; → = a gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
February 11th, 2.43 p.m. to 3.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	39°	34°	26°					One kite, 60 sq. ft.; 4,800 ft. wire. Max. height, 3,800 ft. Cumulus clouds not reached.
		Humidity	70%	70%	90%					
		Wind Velocity, m. per hr.	WNW, —	WNW, 25	WNW, 30					
February 14th, 2.9 p.m. to 2.33 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—	—	—			Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Wind increasing to 17 miles per hour at 1,600 ft., decreasing to 7 miles per hour at about 3,000 ft., then increasing gradually to 29 miles per hour at about 7,600 ft. Sudden change in direction from NW by N to N at 3,000 ft.
		Humidity	—	—	—	—	—			
		Wind Velocity, m. per hr.	NW, 7	NW by N, 17	NW by N, 8	N, 19	N, 24			
February 15th, 9.50 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	44°	44°	44°					One kite, 60 sq. ft.; 5,000 ft. wire. Max. height, 3,700 ft. Inversion, 48° at 3,000 ft.; 48° at 3,700 ft. Fog throughout. Fog cleared about 1 p.m., with change of wind to W. Overcast all day.
		Humidity	100%	100%	100%					
		Wind Velocity, m. per hr.	S, 8	SW, 28	SW by W, 28					
February 16th, 10.50 a.m. to 12.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	39°	30°	21°				One kite, 60 sq. ft.; 6,850 ft. wire. Max. height 5,500 ft. Temp. 18°. Cloud height, about 3,000 ft. Clear morning, overcast by 1.30 p.m.
		Humidity	85%	90%	90%	80%				
		Wind Velocity, m. per hr.	W, 12	NW by W, 28	NW, 33	NW by N, 40				

63, Victoria Street, London, S.W. *February 20th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 8. EIGHTH WEEK, ENDING SATURDAY, FEBRUARY 23RD, 1907. [*Price 6d.*

Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—During the greater part of the period the conditions were unsettled, and at times very rough and stormy, but almost all places experienced several prolonged intervals of sunshine, and except in the N. and N.W. the precipitation was not heavy. Thunderstorms, with sleet and snow, occurred at some of the northern and north-eastern stations between the 18th and 20th.

Temperature differed little from the normal generally, but was 3° below it in Scotland N. The highest of the maxima were recorded on the 17th at nearly all stations, and ranged from 56° in the Midland Counties and Ireland S., to 51° in Ireland N. and Scotland E. and W., and to 50° in Scotland N. The lowest of the minima, registered either on the 22nd or 23rd, ranged from 17° in England S.W. (at Llangammarch Wells), 18° in Scotland W. (at Cally), and 19° in Scotland N. to 25° in Ireland N. and to 33° in the English Channel.

Mean Temperature of the Sea.—The mean values generally were very similiar to those of the week immediately preceding, ranging from about 45° at various points on our W. and S.W. coasts to below 40° off the E. and S.E. coasts of Great Britain. The water was coldest (37·5°) off Cromarty, but was nearly as cold at Shipwash and Eastbourne.

Rainfall exceeded the mean in Scotland, the north of Ireland, and the western districts of England, but was in close agreement with the normal over the eastern half of England; in the south of Ireland it was less than the average.

Bright Sunshine was much in excess of the average over nearly the whole of Great Britain, the percentage of the possible duration being above 40 generally, and as high as 50 in England N.E. In Scotland N., Ireland N., and the English Channel, the duration was much less.

Barometer and Wind.—The chief feature of the week was the passage south-eastwards of a depression of increasing energy from the Icelandic region to a position off the S.W. of Norway, at the same time that a secondary disturbance was travelling to the same point from the west-south-westward. The two systems coalesced by the morning of the **20**th, when the barometer at Skudesnaes was as low as 27·65 ins. The South-Westerly to Westerly and North-Westerly winds accompanying the progress of the disturbance were strong to a gale on all coasts, the greatest force being felt from the Westward or North-Westward. Towards the end of the week the North-Westerly wind fell to a light or moderate breeze.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 52, No. 7.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Very Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Very Abundant	Very Abundant	Abundant	Abundant	Abundant	Very Abundant	Abundant	Moderate	Moderate	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. • The weeks unaccounted for were moderate weeks.

WINTER, 1906–7. 12 weeks from Dec. 2nd, 1906.	Warmth ...	4 * 7	4 * 6	2 * 6	2 * 5	2 * 4	2 * 5	4 * 6	2 * 5	0 * 6	3 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 1	4 * 6	2 * 5	3 * 4	2 * 6	2 * 7	3 * 4	5 * 6	2 * 4	3 * 4	1 * 7	3 * 6
	Sunshine ...	1 * 4	8 * 0	9 * 1	4 * 1	5 * 1	5 * 1	5 * 3	6 * 1	4 * 2	3 * 3	3 * 3	2 * 4

PAST SEASONS.

WINTER, 1905–6. Dec. 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 * 0
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 9	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (8th)–February 17th to 23rd, 1907.

DISTRICTS. (See p. 59.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches			%	%
0. SCOTLAND, NORTH	50	19	40·2	29·5	34·9	– 3·1	0	– 7	50	+ 14	7	+ 3	2·26	+1·40	15	– 2	22	– 2
Eastern																		
1. SCOTLAND, EAST	51	21	41·2	30·6	36·0	– 1·5	0	– 9	42	0	5	+ 2	0·73	+0·24	29	+ 11	43	+16
2. ENGLAND, N.E.	54	22	43·3	32·6	38·2	– 0·3	5	– 4	34	0	3	– 1	0·28	–0·05	35	+ 18	50	+25
3. ENGLAND, EAST	54	21	44·6	34·0	39·3	+ 0·9	7	– 5	30	– 7	4	+ 1	0·25	–0·09	29	+ 8	40	+12
4. MIDLAND COUNTIES	56	20	44·6	33·4	39·0	+ 0·5	7	– 6	32	– 6	4	+ 1	0·43	+0·03	30	+ 13	42	+18
5. ENGLAND, SOUTH	53	20	44·3	34·5	39·4	– 0·4	6	– 8	28	– 2	3	+ 1	0·39	–0·04	29	+ 8	40	+11
Western																		
6. SCOTLAND, WEST	51	18	44·0	32·8	38·4	– 0·9	6	– 3	34	+ 4	5	+ 1	1·34	+0·49	28	+ 13	41	+19
7. ENGLAND, N.W.	55	20	43·4	34·2	38·8	– 0·6	4	– 7	28	– 2	5	+ 1	0·80	+0·28	26	+ 8	38	+12
8. ENGLAND, S.W...	52	17	44·1	35·4	39·8	– 1·2	6	– 11	25	+ 1	5	+ 1	0·85	+0·17	22	0	30	0
9. IRELAND, NORTH	51	25	44·2	34·6	39·5	– 1·1	6	– 8	28	+ 3	6	+ 2	1·03	+0·40	19	+ 1	26	+ 1
10. IRELAND, SOUTH	56	22	46·3	33·1	41·2	– 0·9	12	– 9	24	+ 4	4	+ 1	0·50	–0·26	26	+ 6	37	+ 9
11. CHANNEL ISLANDS	52	33	46·2	40·7	43·5	– 0·5	16	– 7	4	– 6	5	+ 1	0·55	–0·05	18	– 7	25	–10

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 12 Weeks, December 2nd, 1906, to February 23rd, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	94	+ 4	474	+ 80	68	+ 7	17·17	+2·54	87	– 7	14	– 1
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	94	– 2	533	+ 81	44	– 4	5·51	–1·46	170	+ 36	26	+ 6
2. ENGLAND, N.E...	56	15	*	*	*	*	73	– 38	483	+105	42	– 1	4·26	–0·75	194	+ 67	29	+10
3. ENGLAND, EAST	56	10	*	*	*	*	61	– 58	512	+ 84	41	– 3	4·53	–0·40	179	+ 26	26	+ 4
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	84	– 53	490	+ 56	39	– 5	4·44	–1·40	177	+ 41	25	+ 6
5. ENGLAND, SOUTH	56	3	*	*	*	*	92	– 80	424	+102	38	– 4	4·35	–2·04	190	+ 37	27	+ 5
Western																		
6. SCOTLAND, WEST	54	15	*	*	*	*	101	– 35	377	+ 70	55	+ 2	11·84	–1·27	134	+ 19	20	+ 3
7. ENGLAND, N.W...	57	14	*	*	*	*	92	– 46	375	+ 64	51	+ 2	7·33	–0·74	165	+ 46	24	+ 7
8. ENGLAND, SW.	56	5	*	*	*	*	119	– 99	345	+103	50	0	7·71	–2·48	188	+ 24	26	+ 3
9. IRELAND, NORTH	56	8	*	*	*	*	132	– 40	285	+ 14	61	+ 4	8·49	–0·84	140	+ 7	21	+ 1
10. IRELAND, SOUTH	59	11	*	*	*	*	209	– 50	251	+ 39	53	+ 1	6·33	–4·54	150	– 7	22	– 1
11. CHANNEL ISLANDS	56	21	*	*	*	*	235	– 94	105	+ 17	54	– 2	6·52	–2·51	179	– 11	24	– 2

THE YEAR.—Aggregates, &c., for the period of 8 Weeks, December 30th, 1906, to February 23rd, 1907.

0. SCOTLAND, NORTH	51	8	*	*	*	*	40	– 14	315	+ 34	44	+ 3	11·70	+2·55	79	+ 6	18	+ 1
Eastern																		
1. SCOTLAND, EAST	56	5	*	*	*	*	39	– 24	365	+ 47	28	– 3	3·32	–0·97	137	+ 34	30	+ 7
2. ENGLAND, N.E.	54	15	*	*	*	*	41	– 29	323	+ 55	25	– 4	2·16	–0·88	153	+ 56	32	+12
3. ENGLAND, EAST	54	10	*	*	*	*	31	– 46	341	+ 39	25	– 4	2·57	–0·52	137	+ 18	28	+ 4
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	48	– 42	338	+ 38	23	– 6	2·40	–1·33	130	+ 29	27	+ 6
5. ENGLAND, SOUTH	53	16	*	*	*	*	58	– 45	288	+ 58	21	– 7	2·71	–1·28	138	+ 26	28	+ 5
Western																		
6. SCOTLAND, WEST	53	16	*	*	*	*	50	– 32	249	+ 29	36	0	7·40	–0·78	104	+ 15	22	+ 3
7. ENGLAND, N.W.	55	15	*	*	*	*	47	– 36	264	+ 42	32	– 1	4·08	–1·03	128	+ 36	27	+ 8
8. ENGLAND, S.W...	54	5	*	*	*	*	67	– 67	252	+ 77	34	+ 1	4·70	–1·63	138	+ 18	28	+ 4
9. IRELAND, NORTH	54	16	*	*	*	*	71	– 39	197	+ 5	41	+ 4	5·02	–0·88	107	+ 7	23	+ 2
10. IRELAND, SOUTH	59	11	*	*	*	*	133	– 32	179	+ 33	34	0	3·71	–3·12	113	0	23	0
11. ENGLISH CHANNEL	53	21	*	*	*	*	138	– 58	80	+ 10	33	– 4	3·59	–1·71	134	– 8	26	– 2

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

February 17–23, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	45	24	38·4	29·7	34·1	− 4·0	0	55	7	0·60	− 0·11	12·7	− 3·3	19	− 5
		Stornoway	49	25	41·6	30·4	36·0	− 3·1	0	42	7	2·13	+ 1·19	20·0	+ 2·9	29	+ 4
	Mainland.	Wick	47	25	38·9	29·4	34·2	− 3·9	0	55	7	1·74	+ 1·23	*	*	*	*
		†Lairg (Strathpeffer)	49	19	40·2	26·9	33·6	− 2·4	0	59	7	1·94	+ 1·21	18·0	+ 1·2	27	+ 2
		Glencarron	50	25	40·2	30·7	35·5	− 1·7	0	46	7	3·74	+ 1·97	*	*	*	*
		Fort Augustus	49	20	40·1	29·0	34·6	− 4·0	0	52	6	2·62	+ 1·63	9·4	− 2·6	14	− 4
		Fort William	50	23	41·7	30·5	36·1	− 3·2	0	41	6	3·08	+ 1·36	*	*	*	*
1. SCOTLAND, E.		Nairn	48	25	41·4	30·1	35·8	− 2·3	0	43	6	0·94	+ 0·54	18·1	—	27	—
		Aberdeen	50	26	42·0	31·9	37·0	− 1·5	0	35	7	0·63	+ 0·07	26·9	+ 7·0	40	+ 10
		†Balmoral (Crathes)	47	21	37·4	28·0	32·7	− 2·2	0	65	6	1·04	+ 0·38	25·9	—	38	—
		†Clathick (Balruddery)	51	22	43·0	30·9	37·0	− 1·5	3	40	4	1·13	+ 0·35	35·4	—	51	—
		†Leith (Edinburgh)	51	29	44·0	34·1	39·1	− 1·0	6	29	3	0·35	− 0·62	37·5	+ 21·8	54	+ 32
		Marchmont	49	22	39·6	28·7	34·2	− 3·6	0	55	2	0·29	− 0·28	32·1	+ 13·7	47	+ 20
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	50	26	43·7	32·1	37·9	− 1·0	5	36	3	0·27	− 0·27	37·7	—	54	—
		†Shields (Newcastle)	51	23	43·7	31·3	37·5	− 2·1	5	39	5	0·31	− 0·08	32·4	+ 18·4	46	+ 26
		Durham	50	24	42·4	30·9	36·7	− 1·6	1	39	2	0·23	− 0·16	39·0	+ 20·9	56	+ 30
		Scarborough	54	28	45·6	33·7	39·7	0·0	10	32	5	0·53	+ 0·09	25·3	—	36	—
		York	53	25	45·4	33·8	39·6	+ 0·1	10	31	3	0·24	− 0·16	33·1	+ 17·0	47	+ 24
	Southern part.	Spurn Head	50	28	42·6	34·0	38·3	− 1·1	2	28	3	0·17	− 0·13	*	*	*	*
		†Lincoln (Skegness)												38·0	—	54	—
		†Fulbeck (Rauceby)	52	22	43·4	32·1	37·8	− 1·3	4	36	3	0·19	− 0·20	37·1	—	52	—
3. ENGLAND, E.	Northern part.	Hillington	53	25	45·4	31·0	38·7	− 0·5	10	38	3	0·22	− 0·22	39·4	+ 11·0	43	+ 16
		†Yarmouth (Lowestoft)	52	26	43·1	33·4	38·3	− 0·6	3	31	5	0·51	+ 0·14	29·5	—	42	—
		Geldeston	54	24	46·5	31·7	39·1	− 0·5	13	39	5	0·27	− 0·07	28·8	+ 8·3	41	+ 12
		(Cromer)												22·0	—	31	—
	Southern part.	Cambridge	53	21	46·2	32·6	39·4	− 0·3	12	36	4	0·20	− 0·14	32·0	+ 11·6	45	+ 16
		Felixstowe	52	29	43·8	37·1	40·5	+ 0·5	5	19	3	0·17	—	30·7	—	43	—
		Clacton-on-Sea	52	24	43·0	34·1	38·6	− 1·4	3	29	2	0·11	—	31·1	—	44	—
		Rothamsted	53	22	43·9	33·9	38·9	0·0	5	30	3	0·24	− 0·21	30·9	+ 12·0	44	+ 17
		†Shoeburyness (Southend)	51	24	44·4	34·9	39·7	− 0·7	7	27	4	0·32	+ 0·03	34·3	—	48	—
		London, Westminster	53	26	45·0	36·6	40·8	− 0·2	8	21	3	0·22	− 0·17	19·2	+ 9·2	27	+ 13
		(Dunmow)												27·7	—	39	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	50	23	43·2	31·4	37·3	− 0·9	3	38	4	0·78	+ 0·26	40·0	—	57	—
		†Bawtry (Worksop)	54	23	45·3	33·3	39·3	− 0·3	9	33	3	0·27	− 0·13	31·1	+ 15·0	44	+ 21
		Nottingham	54	25	44·4	34·4	39·4	− 0·2	7	28	3	0·47	+ 0·08	28·1	—	40	—
		Colly Weston	56	22	45·7	32·4	39·1	− 0·4	10	37	3	0·33	− 0·06	*	*	*	*
		Birmingham, Edgbaston	53	24	44·1	33·1	38·6	− 0·9	6	33	5	0·57	+ 0·15	20·0	—	28	—
		Oxford	53	22	44·7	34·6	39·7	− 0·5	8	28	4	0·29	− 0·13	33·2	+ 14·6	47	+ 21
	Western part.	†Cheadle (Sheffield)	51	21	43·0	32·1	37·6	− 0·8	3	36	4	0·56	+ 0·02	38·2	—	55	—
		Shrewsbury	54	24	47·7	35·0	41·4	+ 0·8	16	29	5	0·40	—	*	*	*	*
		Hereford	52	23	44·7	34·5	39·6	− 0·8	8	28	4	0·18	− 0·31	*	*	*	*
		Cirencester	52	20	43·1	31·3	37·2	− 1·9	3	38	3	0·52	− 0·01	?21·5	+ 1·8	?30	+ 3
		Bath	53	21	45·0	35·0	40·0	− 1·0	8	27	4	0·40	− 0·12	28·9	—	40	—
		(Margate)												29·2	+ 9·7	41	+ 14
5. ENGLAND, S		Kew	51	23	45·3	34·0	40·1	− 0·6	9	27	3	0·24	− 0·16	28·0	+ 11·8	39	+ 16
		Wisley, Surrey	51	23	44·2	34·6	39·4	− 0·5	6	27	4	0·32	—	28·7	—	40	—
		†Swarraton (Ventnor)	50	21	42·8	33·4	38·1	− 1·2	2	31	4	0·49	− 0·09	26·0	+ 3·2	36	+ 4
		Tunbridge Wells	52	20	42·4	32·9	37·7	− 1·9	1	32	3	0·72	+ 0·20	28·9	+ 9·8	40	+ 14
		†Dungeness (Littlestone)	45	20	43·4	33·7	38·6	− 1·8	4	30	2	0·22	− 0·10	29·1	—	40	—
		Hastings	53	26	45·6	33·9	39·8	− 0·9	10	31	3	0·31	− 0·19	32·4	+ 9·9	45	+ 14
		Southampton	52	25	47·4	35·7	41·6	− 0·2	15	26	3	0·55	+ 0·01	30·7	+ 9·7	43	+ 13
		†Portland Bill (Worthing)	48	28	43·6	36·7	40·2	− 2·1	4	20	4	0·24	—	27·3	—	38	—
		(Eastbourne)												30·5	+ 9·5	42	+ 13
6. SCOTLAND, W.		†Laudale (Oban)	51	26	43·5	32·2	37·9	− 2·2	4	36	7	3·50	+ 1·87	26·3	—	38	—
		Glasgow	49	26	42·2	32·8	37·5	− 1·9	1	32	4	0·77	+ 0·09	28·6	+ 16·4	41	+ 24
		Dumfries	51	23	44·2	31·9	38·1	− 1·5	6	37	4	0·56	− 0·28	*	*	*	*
		Cally	50	18	46·4	31·9	39·2	− 0·1	12	39	4	1·01	+ 0·02	*	*	*	*
		Douglas, Isle of Man	50	26	43·8	35·0	39·4	− 1·6	5	26	5	0·86	+ 0·10	30·2	+ 10·2	43	+ 15
7. ENGLAND, N.W.		Aspatria	48	22	42·0	31·6	36·8	− 2·0	0	36	3	0·68	+ 0·13	29·7	—	42	—
		Newton Rigg	49	20	41·3	28·8	35·1	− 2·3	0	48	4	1·18	+ 0·42	29·0	+ 11·8	41	+ 17
		Stonyhurst	47	24	42·4	33·2	37·8	− 1·2	1	31	4	1·21	+ 0·41	29·0	+ 12·3	41	+ 18
		Blackpool	47	24	42·3	34·4	38·4	− 1·3	1	27	5	0·45	− 0·09	32·3	+ 14·9	46	+ 21
		Manchester, Prestwich	49	24	43·8	33·8	38·8	− 0·4	5	30	4	0·76	+ 0·20	24·1	+ 12·1	34	+ 17
		†Liverpool Obs. (Hoylake)	50	27	43·7	35·4	39·6	− 0·7	5	25	5	0·37	− 0·05	29·1	—	42	—
		†Hawarden Bridge (Southport)	55	23	46·9	34·9	40·5	− 0·6	11	28	5	0·40	+ 0·06	30·6	+ 12·3	44	+ 18
	NORTH WALES	Llandudno	52	32	44·9	36·7	40·8	− 1·3	8	21	6	0·72	+ 0·22	21·2	+ 1·8	30	+ 3
		†Holyhead (Aberdovey)	50	33	43·6	37·4	40·5	− 1·6	4	17	5	0·45	− 0·14	24·7	—	35	—
		Bettws-y-Coed	52	26	44·3	35·6	40·0	− 1·9	6	24	5	1·73	—	18·8	—	27	—
8.	SOUTH WALES	Llangammarch Wells	50	17	41·6	32·1	36·9	− 3·0	0	36	5	1·49	—	19·4	—	27	—
		Pembroke	49	32	43·6	37·9	40·8	− 1·7	4	16	6	0·54	− 0·08	21·3	+ 0·3	30	0
		†Cardiff (Aberystwyth)	51	22	44·2	34·1	39·2	− 1·9	6	30	4	0·85	+ 0·09	22·5	—	32	—
	ENGLAND, S.W.	†Clifton (Torquay)	51	24	43·9	35·1	39·5	− 1·4	5	25	4	0·82	+ 0·23	28·0	+ 6·1	39	+ 9
		†Shaftesbury (Marlborough)	50	24	42·2	33·7	38·0	− 1·0	1	30	5	0·47	− 0·12	26·5	+ 9·6	37	+ 13
		†Arlington (Newquay)	49	26	42·4	34·3	38·4	− 2·4	1	28	5	1·39	+ 0·43	20·1	− 2·0	28	− 3
		Cullompton	52	22	45·8	35·1	40·5	− 1·3	11	27	5	0·59	− 0·10	23·7	+ 4·3	33	+ 6
		Plymouth	51	28	46·5	37·4	42·0	− 1·0	13	13	5	0·48	− 0·20	23·1	+ 1·7	32	+ 2
		Falmouth	51	30	46·5	38·8	42·7	− 1·2	18	9	4	0·99	+ 0·10	20·2	− 2·6	28	− 4
9. IRELAND, N.	Western part.	Malin Head	48	30	43·3	35·4	39·4	− 2·5	4	24	7	1·23	+ 0·71	*	*	*	*
		Edenfel	50	26	42·6	33·1	37·9	− 1·5	2	32	5	0·78	+ 0·14	*	*	*	*
		Blacksod Point	50	33	45·1	37·6	41·4	− 1·6	9	18	7	1·09	+ 0·22	*	*	*	*
		Markree Castle	51	25	45·2	33·5	39·4	− 1·5	9	32	6	1·37	+ 0·65	20·4	+ 3·3	29	+ 5
	Eastern part.	Armagh	51	27	44·3	32·8	38·6	− 1·7	6	34	5	0·80	+ 0·29	16·5	− 0·5	24	− 1
		Donaghadee	51	30	44·9	35·3	40·1	− 1·2	8	25	6	0·88	+ 0·34	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park)	55	30	46·4	36·3	41·4	− 1·4	12	23	3	0·45	− 0·04	30·3	+ 10·4	43	+ 15
		Kilkenny	53	24	45·4	34·0	39·7	− 2·3	10	30	3	0·58	− 0·03	*	*	*	*
		Waterford	56	26	47·3	35·9	41·6	− 0·7	15	25	2	0·15	− 0·65	*	*	*	*
	Western part.	Birr Castle	53	22	45·4	33·4	39·4	− 1·6	10	32	4	0·42	− 0·12	27·5	+ 9·5	39	+ 13
		Foynes	52	27	46·3	36·9	41·6	− 1·4	12	21	5	0·65	− 0·08	*	*	*	*
		Killarney	53	27	47·4	36·7	42·1	− 1·5	23	15	5	0·70	− 0·50	*	*	*	*
		Valencia	52	31	46·7	38·1	42·4	− 2·6	19	11	5	0·79	− 0·39	23·3	+ 3·3	33	+ 5
		†Roches Point (Ballinacurra)	52	29	45·6	37·4	41·5	− 2·5	10	19	5	0·29	− 0·67	23·4	—	33	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	52	38	47·6	42·7	45·2	− 0·5	22	0	7	0·63	− 0·01	16·5	− 7·4	23	− 10
		†Jersey, St. Aubins (St. Heliers)	50	33	45·4	39·6	42·5	− 1·1	14	7	5	0·54	− 0·06	16·9	− 8·2	23	− 11
		Guernsey	50	34	45·5	39·8	42·7	− 1·3	14	6	4	0·47	− 0·18	20·5	− 3·6	29	− 5

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 33·1 hrs., 46 %; Brighton, 24·8 hrs. (+ 3·3) 34 % (+ 5 %); Bournemouth, 27·6 hrs., 38 %; Bognor, 30·9 hrs., 43 %
Rhyl, 27·8 hrs., 39 %; Tenby, 25·3 hrs. (+ 3·0), 36 % (+ 4 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	37·6
	Crathes	6	19	33·2	35·8
	Balmoral	6	18	—	—
	Marchmont ..	—	—	34·1	—
2.	Cockle Park	4	21	36·7	38·0
	York	—	—	37·0	39·0
	Hull	6	21	36·9	39·0
	Lincoln	—	—	—	—
3.	Lowestoft	—	—	38·5	39·9
	Cambridge	6	15	38·8	40·7
	Dunmow	5	16	—	—
	Clacton-on-Sea ..	5	23	38·9	41·7
4.	Harrogate	5	18	37·5	38·6
	Sheffield	4	21	36·9	39·1
	— — ..				
	Birmingham	4	16	39·9	42·4
	Nottingham	4	19	37·0	37·5
	— — ..				
5.	Kew	5	11	39·7	41·5
	Canterbury	3	18	40·0	41·5
	Portsmouth	2	18	41·2	43·3
	Wisley	—	—	39·6	41·3
6.	— — ..				
	Glasgow	4	16	—	—
	— — ..				
7.	Newton Rigg ..	4	11	37·4	38·6
	Southport	2	12	37·1	38·3
	Manchester City ..	2	22	37·4	39·9
	Bettws-y-Coed ..	2	28	40·0	41·6
	— — ..				
8.	Llangammarch Wells	3	9	39·0	41·1
	Bath	—	—	41·0	42·8
	Plymouth	3	19	42·2	—
	— — ..				
9.	Armagh	4	22	39·8	41·6
	Markree Castle ..	4	19	—	—
10.	Dublin, Trin. Coll. ..	4	24	40·9	42·5
11.	Guernsey, Brooklyn	3	26	43·2	44·1

V.—TEMPERATURE of the SEA. Week ending Saturday morning.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	40	41·6
	Kirkwall	42	32	38·4
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	40	35	37·5
	Pennan Bay	39	38	38·4
	Aberdeen, Cove Bay ..	42	37	39·7
ENGLAND, N.E.	Burnmouth, Berwick ..	41	36	38·9
	Scarborough	42	36	39·0
ENGLAND, E.	Shipwash Lightship ..	38	36	37·7
ENGLAND, S.E.	Eastbourne‡	39	37	37·9
SCOTLAND, W.	Lamlash	44	41	43·3
	Ballantrae	44	41	42·3
ENGLAND, N.W.	Port Erin	45	41	43·8
ENGLAND, S.W.	Newquay	46	44	45·3
	Plymouth‡	45	44	44·8
	Salcombe	44	42	43·4
IRELAND, N.W.	Sheephaven	45	43	44·8
	Ballyglass	50	40	45·1
IRELAND, S.W.	Cleggan	46	40	43·9
	Seafield	48	39	44·9
IRELAND, E.	Kingstown‡	42	39	40·9

‡ Only one observation each day.

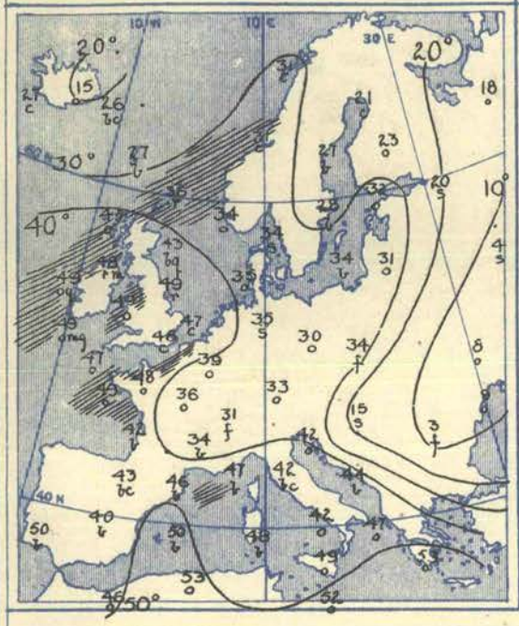
Corrections and Additions for January, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine. All corrections are incorporated in the results issued in the Monthly Summary.

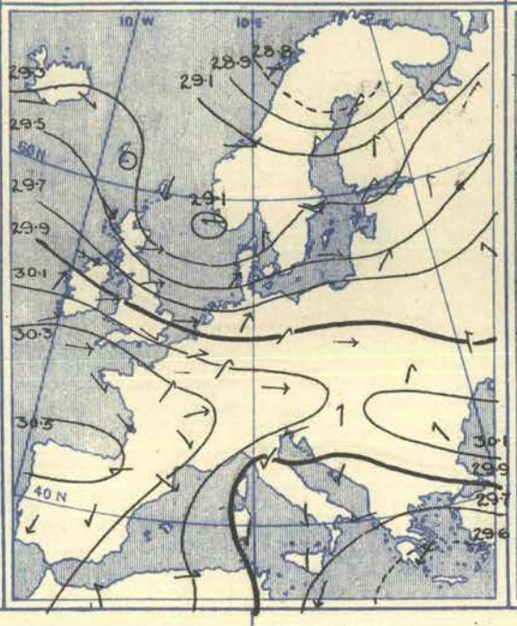
Number and Page of Report.	Numbers of Districts and Names of Stations.		Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 1, p. 2	5. England, South		—	—	—	—	—	—	—	—	—	0·99	+0·45	—	—	—	—
No. 3, p. 18	10. Ireland, South		—	—	—	—	—	—	—	—	—	—	—	4	-8	6	-14
No. 5, p. 34	0. Scotland, North		—	—	—	—	—	—	—	—	—	1·60	+0·30	—	—	—	—
Station Values.—Additions.																	
No. 1, p. 3	Tunbridge Wells ..	M	49	22	43.9	31·7	38·0	+0·3	5	39	5	1·37	+0·76	17·7	+7·6	32	+14
No. 1, p. 3	Ballinacurra		—	—	—	—	—	—	—	—	—	—	—	9·3	—	17	—
No. 2, p. 11	Tenby		—	—	—	—	—	—	—	—	—	—	—	14·3	+1·9	26	+ 4
No. 3, p. 19	Bawtry		48	26	43·7	35·1	39·6	+2·1	5	27	0	0·00	-0·38	—	—	—	—
No. 3, p. 19	Cheadle	M	46	30	43·0	36·6	39·9	+3·0	3	20	0	0·00	-0·58	—	—	—	—
No. 3, p. 19	Ballinacurra		—	—	—	—	—	—	—	—	—	—	—	0·0	—	0	—
No. 5, p. 35	Lairg	S	46	25	39·9	29·1	34·7	-1·0	0	51	3	0·95	+0·20	—	—	—	—
Station Values.—Corrections.																	
No. 1, p. 3	Stornoway		—	—	40·7	29·1	35·1	-3·9	—	48	—	—	—	—	—	—	—
No. 1, p. 3	Strathpeffer		—	—	—	—	—	—	—	—	—	—	—	4·1	-3·0	9	-7
No. 1, p. 3	Scarborough	M	—	—	40·1	—	35·9	-2·9	—	43	—	—	—	—	—	—	—
No. 2, p. 11	Hillington	M	—	—	46·0	35·4	40·9	+3·9	11	—	—	—	—	—	—	—	—
No. 2, p. 11	Pembroke		—	—	—	—	—	—	—	—	4	0·16	-0·67	—	—	—	—
No. 4, p. 27	Strathpeffer		—	—	—	—	—	—	—	—	—	—	—	5·3	-4·1	10	—
No. 4, p. 27	Ballinacurra		—	—	—	—	—	—	—	—	—	—	—	11·5	—	19	—
No. 5, p. 35	Plymouth		—	—	—	—	—	—	—	—	4	0·24	-0·51	—	—	—	—

Sunday, 17th February, 1907.

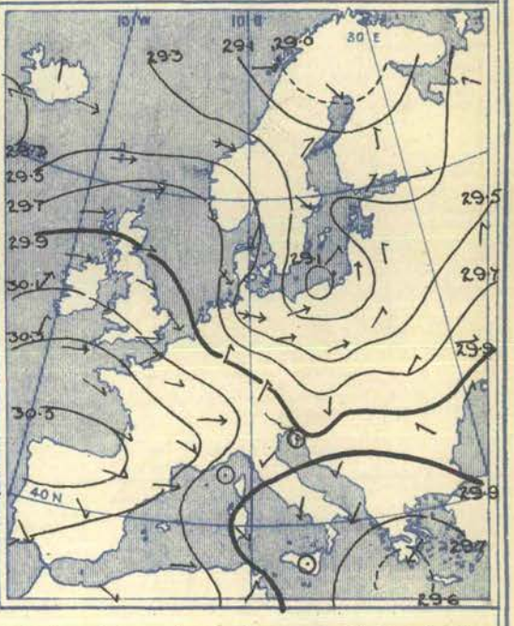
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula, the north of Italy, and most of Sweden, but cloudy or dull over our area as a whole, with rain at a few of our northern and western stations, and snow in places over the northern half of the Continent. Slight rain falling later in many parts of these Islands and various quantities of rain or snow over the more northern countries of the Continent.

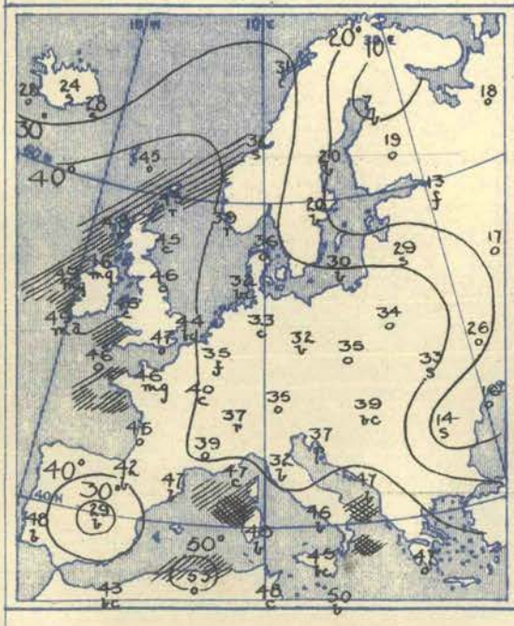
Temperature fallen over Scandinavia, risen in most other regions. Readings in morning about 50° or only slightly lower over the United Kingdom, Portugal, and the Mediterranean region. Below the freezing point at Turin and the north-east and east of our area, and as low as 4° at Moscow, 3° at Hermannstadt, and 1° at Nicolaieff. Rising later to 70° at Nemours, 68° at Malta, 63° at Lisbon, and to above 55° at several southern stations. Frost continuing all day in Austria and the east and north of Europe.

Wind in morning mainly Westerly and strong to a gale over our Islands and their neighbourhood, but Northerly in Shetland and Easterly on the south-west coast of Norway. Moderate to high winds from between East and North prevailing over the region of the Mediterranean. Decreasing in force over this country during day, but increasing to a fresh or strong gale from North-West or West over Denmark and north Germany, and also at Christiansund.

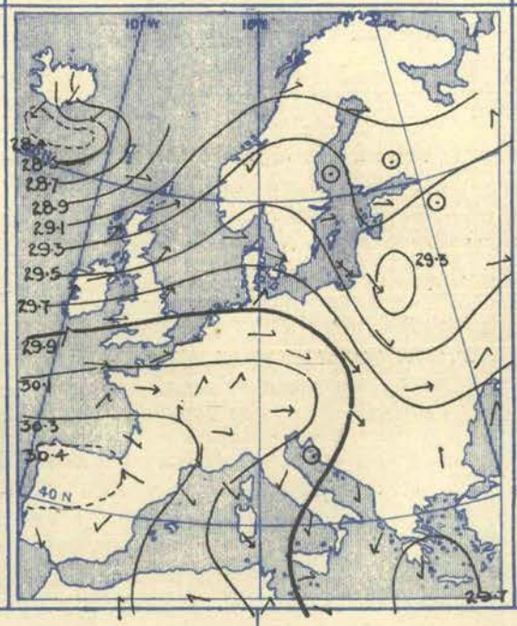
Barometer in morning above 30·5 ins. in an anticyclone covering the north of Spain and the adjacent part of the Bay of Biscay, and above 30·1 ins. over the Black Sea and Transylvania. Below 29·6 ins. in a depression over Greece and its vicinity, below 29·1 ins. in a smaller system off the south-west of Norway, and below 28·8 ins. in a large disturbance over Lapland. North Sea depression subsequently travelling quickly south-eastwards to the Baltic and causing a great increase in the gradient over Denmark and Germany. Pressure increasing very briskly in Scotland.

Monday, 18th February, 1907.

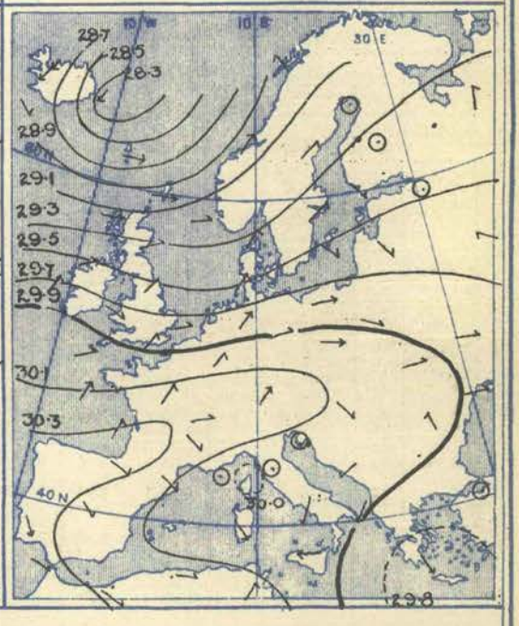
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of Sweden, Germany, and southern Europe; cloudy or overcast in most other regions, with rain in some parts of the United Kingdom, and snow at Riga and Christiansund, as well as in Iceland. Slight precipitation, mostly rain, experienced subsequently over our Islands and the northern countries of the Continent.

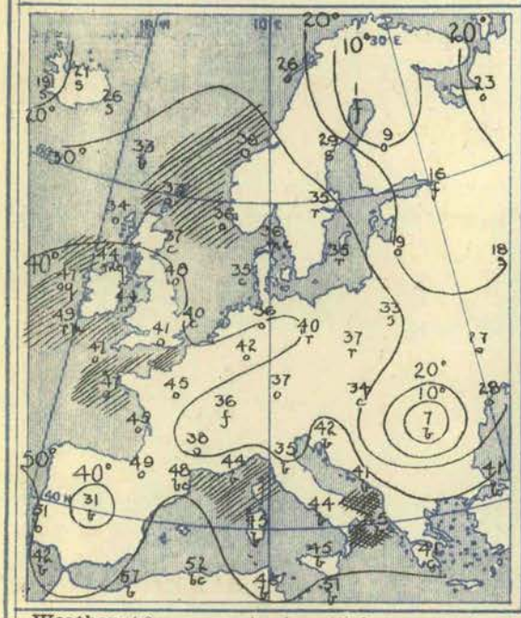
Temperature changed rather irregularly, but fallen over Sweden and Finland. Readings in morning below 10° in the north of Sweden and below 20° at several stations in the east and north-east of our area; above 45° in these Islands and southern Europe, and above 50° at Algiers. Maxima during day above 50° in most parts of these Islands and the Mediterranean region, and above 60° in a few places. Highest values, 68° at Barcelona and 70° at Nemours.

Wind in morning showing an anticyclonic movement over the south-west of our area, and cyclonic circulations, partial or complete, elsewhere. Strong to a gale from North-East or East over Iceland, and from the Northward over the Baltic. South-Westerly winds over the United Kingdom blowing strongly at some western stations. Gales subsiding over the Baltic by evening, but continuing over Iceland, and wind increasing to a strong gale from West at Thorshavn. Direction becoming more Westerly over our Islands.

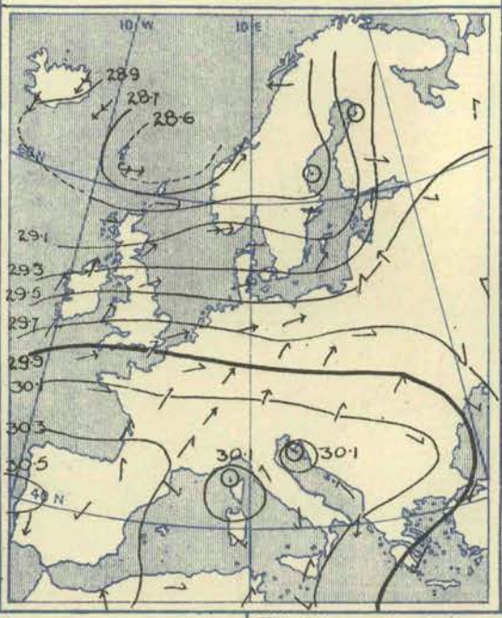
Barometer in morning above 30·4 ins. in an anticyclone over the north of Spain and its neighbourhood, and below 28·4 ins. in a large depression to the southward of Iceland. Relatively low in other disturbances in the south and east of our area. Northern depression travelling eastwards during day and barometer falling briskly over Norway and the north of this country. Gradient increasing to the northward of Scotland, but decreasing over the Baltic region.

Tuesday, 19th February, 1907.

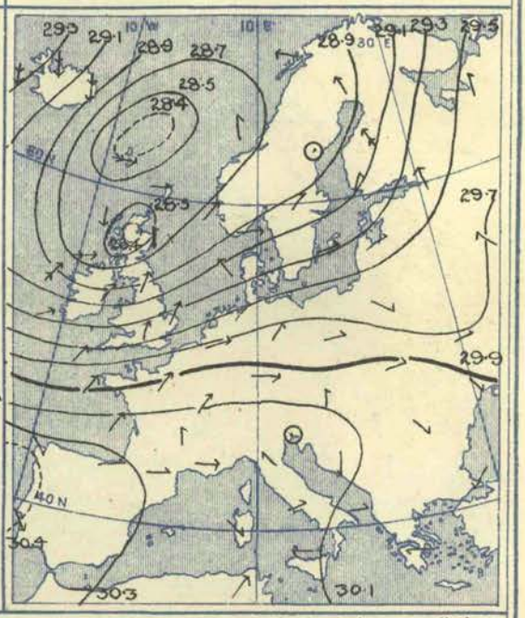
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast and unsettled except over the Mediterranean region, with rain, sleet, or snow in many localities in our Islands and the mainland of Europe, and snow throughout Iceland. Rainy at Constantinople. Thunderstorms during day in the north-east of England and considerable amounts of rain or snow over this country, the nearer portions of the Continent, and over Scandinavia, Russia, and Germany.

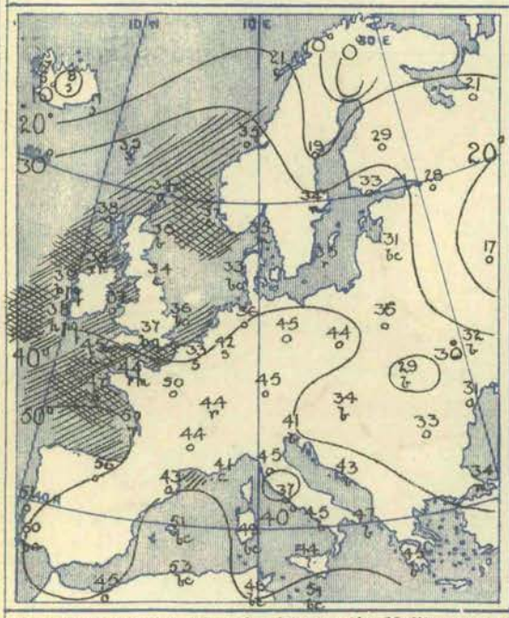
Temperature fallen over the United Kingdom, risen over the major portion of the Continent. Readings in morning much below 32° in Iceland and in the east and far north of Europe; lowest values, 7° at Hermannstadt, and 1° at Haparanda. Above 45° at some of our own most western and south-western stations, and about 50° in some places in the far south of Europe and over Algeria. Thermometer rising to above 65° subsequently in Algeria, above 60° in Sicily and Sardinia, as well as at Perpignan. Maxima about 50° over the greater part of these Islands and France, but lower over Germany and Austria, and below the freezing point in the east and north-east.

Wind in morning showing a very extensive, but partial, cyclonic circulation over all the north-western and northern countries. North-Easterly current blowing a gale in Iceland, and that from West a gale in Faröe and Skudesnaes. South-Westerly to Westerly winds fresh to strong over this country, Denmark, and the Baltic. A separate cyclonic movement of little force prevailing over the Mediterranean. Increasing greatly in strength by evening over the United Kingdom and blowing a gale in many places; wind backing to North in Iceland and gale continuing. A South-Easterly gale springing up in Finland.

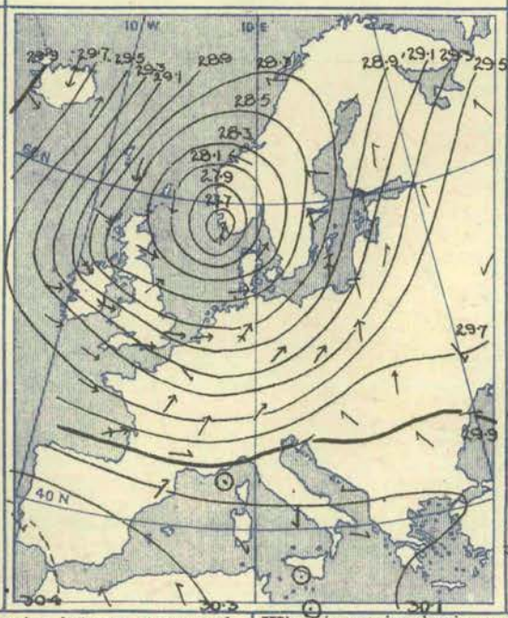
Barometer in morning above 30·4 ins. over a considerable portion of Spain and Portugal, relatively low over the western part of the Mediterranean, and decreasing to below 28·5 ins. in a very large disturbance lying between Iceland and Norway. A very deep secondary advancing to the north of Scotland during day from the Atlantic, and main disturbance moving slowly eastwards and apparently growing deeper. Barometer readings at 6 p.m. as low as 28·37 ins. at Nairn and 28·34 ins. at Thorshavn. Pressure increasing again in Iceland. Gradients becoming steep over England, Ireland, the North Sea, and the Bay of Biscay.

Wednesday, 20th February, 1907.

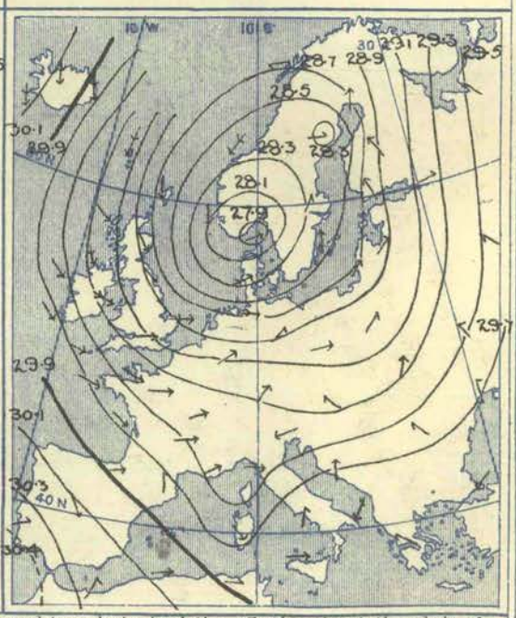
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair and quiet over the Mediterranean region, but very stormy and unsettled over our area as a whole, especially over these Islands and the north-western countries of the Continent. Occasional squalls of rain, sleet, or snow prevailing in most places during the day, heaviest measurements over France, Scandinavia, and the extreme north-west coasts of these Islands.

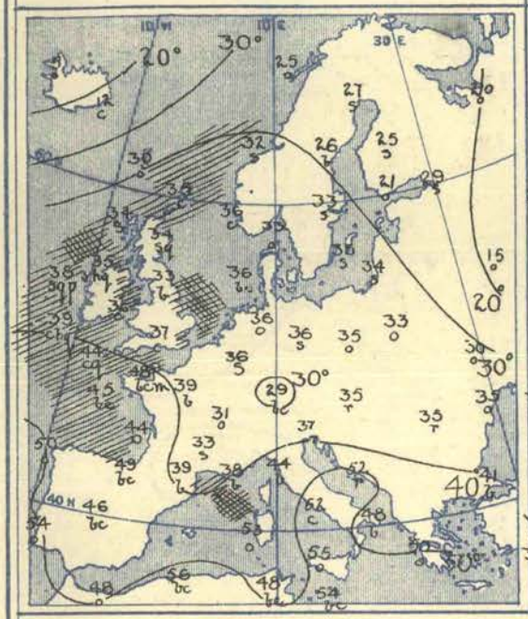
Temperature risen over the Spanish Peninsula, France, central, in most parts of northern Europe, fallen over the United Kingdom, Norway, and Iceland. Readings in morning above the freezing point generally, but much below it over Iceland, and also in the north of Sweden and the greater part of Russia. As high as 45° at Berlin and many stations further south, and above 50° at a few places in the Mediterranean. Highest value, 56° at Bilbao. Rising subsequently to 70° at Algiers, to 60° at some other southern stations, and to 50° at Prague. Maxima below 40° at some Scottish stations.

Wind in morning showing a complete cyclonic circulation affecting almost the whole of Europe. Strong to a gale from every point of the compass, greatest force at 8 a.m. being from North in Iceland, from the North-Westward on our own north-west coasts, and from the Southward in the south of Norway. Strong winds to strong gales continuing throughout the day over all the north-western countries, and a considerable increase in force taking place over the Mediterranean.

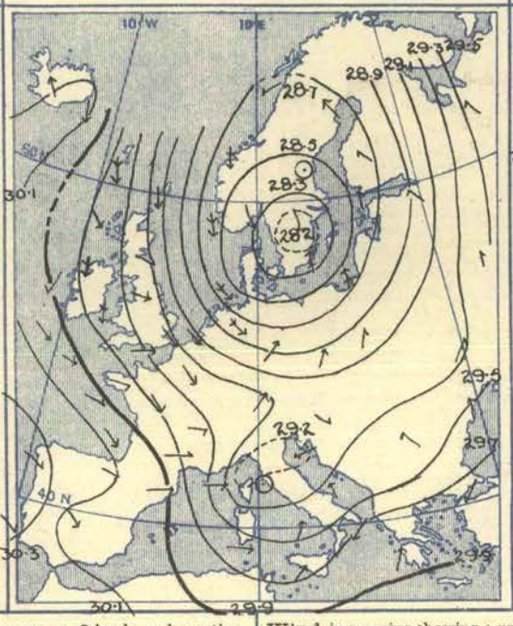
Barometer in morning below 28·0 ins. in the central part of an extremely large cyclonic system over the upper portion of the North Sea and the south-west of Norway. Lowest reading reported 27·65 ins. at Skudesnaes. Gradients steep or very steep from Iceland to Poland and from the west of Norway to the Bay of Biscay. A difference of 1·08 in. existing between Seydisfjord and Thorshavn. Cyclonic centre moving to the Skager Rack by 6 p.m. but system becoming rather less deep. Barometer rising very quickly in its rear, and gradients continuing very steep over the North Sea and its vicinity. Another depression of considerable depth in course of formation over the Gulf of Genoa and its immediate neighbourhood.

Thursday, 21st February, 1907.

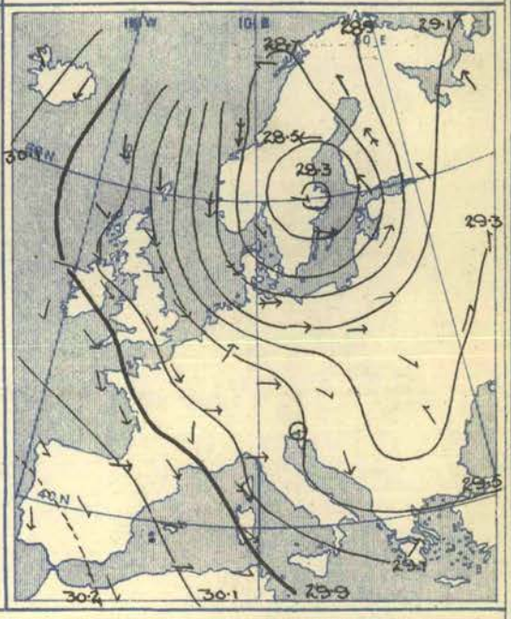
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many places both over our Islands and on the Continent, but very unsettled and rough generally, with showers of snow, sleet, or rain at times. Heavy snow falling later in Caithness, and showers in most other parts of the United Kingdom and the nearer portion of the Continent. Various quantities of snow experienced over the northern countries of Europe, and some rain in the south.

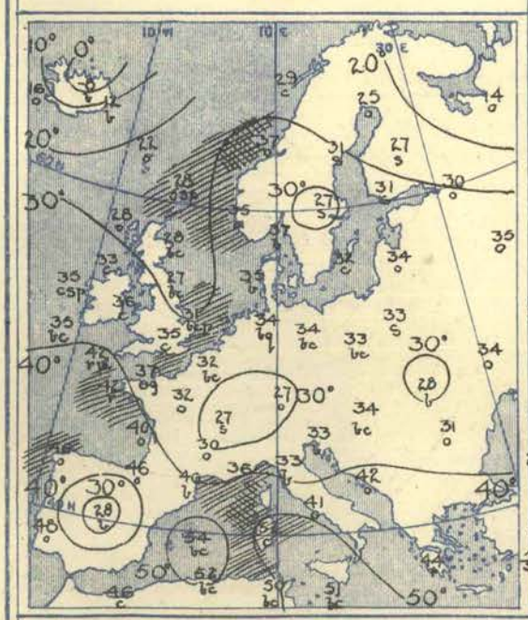
Temperature fallen generally, risen over the north of Sweden and in the extreme south of our area. Readings in morning below 40° in most districts, and much below 32° in the far north and north-east of our area. Thermometer above 50° at many stations on the shores of the Mediterranean. Maxima during day above 60° at some stations in Algeria and the Spanish Peninsula and about 50° in Italy and along the west and south coasts of France. Below 40° in many parts of these Islands and central Europe.

Wind in morning showing a vast cyclonic motion around the south of Sweden, and a separate cyclonic circulation over Italy and its neighbourhood. Strong to a gale over the North Sea and most parts of our area north of latitude 50°, and only a little less strong on the coast of Italy and the adjacent Islands. Scarcely any change over the northern countries during day except a decrease in force over our Islands and their immediate neighbourhood. Cyclonic movement becoming less well-marked over the Mediterranean.

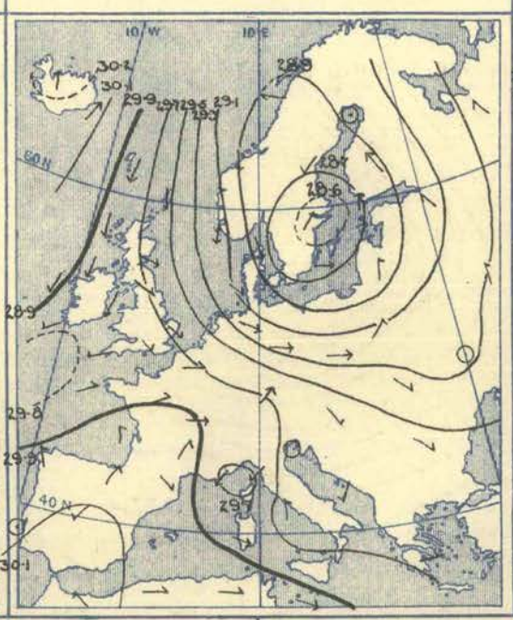
Barometer in morning above 30·3 ins. over Portugal and above 30·1 ins. in Iceland. Below 28·2 ins. in a very large depression having its centre between Stockholm and Karlstad. Below 29·2 ins. in another distubance over the north of Italy. Gradients steep or rather so in nearly all parts of our area, and very steep over the North Sea and the south-east of France. Main depression moving slowly eastwards during day, and that in the south apparently travelling quickly eastwards to Transylvania. A small secondary disturbance appearing over our north-west coasts by evening and subsequently travelling southwards.

Friday, 22nd February, 1907.

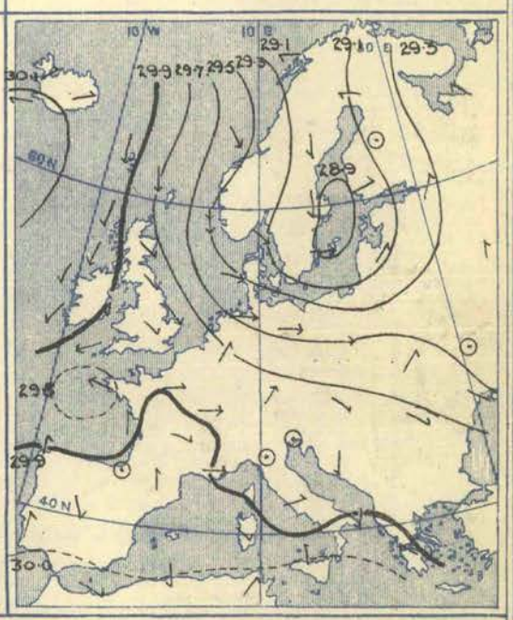
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in several districts, but changeable generally, with occasional showers or squalls of snow or sleet in the north, and of rain in some southern localities. Rather heavy rain later over the north-west of France and slighter amounts of rain or snow in several parts of our Islands and the northern regions of the Continent, as well as in Greece.

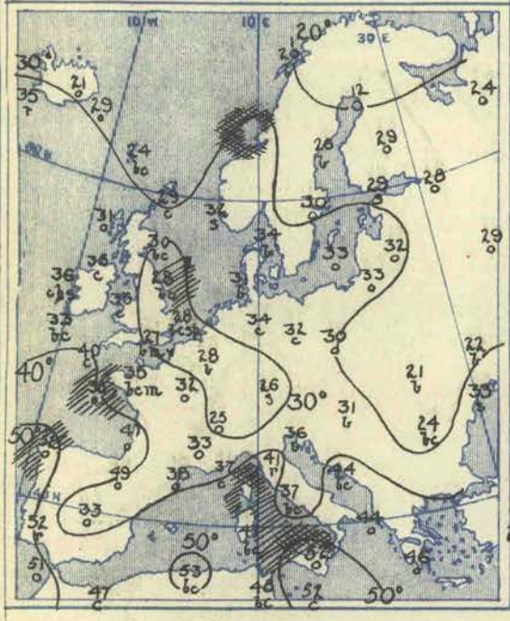
Temperature fallen as a whole, risen over most parts of Russia and Finland. Readings in morning below the freezing point in many parts of these Islands and over the major portion of the Continent, but above 45° at most stations on the shores of the Mediterranean and above 50° in a few places. Maxima during day below 32° at some Scottish stations and below 40° over these Islands generally. Thermometer rising to 70° at Algiers, and to above 55° in the south generally.

Wind in morning showing two distinct cyclonic movements—one, of very great extent, around the south of Sweden, and the other around the Gulf of Genoa. Less strong than of late over the northern countries generally, but still blowing a gale along the west coast of Norway, and very strongly over Denmark and North Germany. Strong breezes or high winds prevailing over the western half of the Mediterranean. Scarcely any change of importance during day.

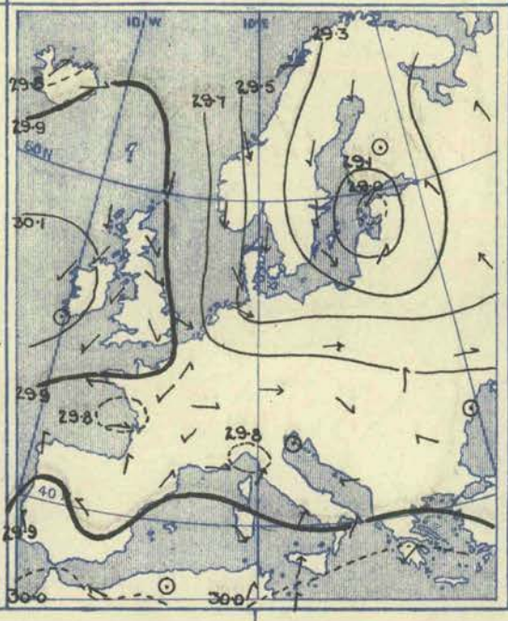
Barometer in morning ranging from above 30·1 ins. in Iceland and also over Morocco and the adjacent part of Europe to 29·7 ins. and less in a depression over the Gulf of Genoa, and to below 28·6 ins. in a more important system having its centre near Stockholm. Pressure below 29·8 ins. in a very shallow disturbance lying off the south of Ireland. Main depression travelling slowly eastwards later and decreasing in depth, and that off the south of Ireland moving southwards towards the Bay of Biscay. Pressure beginning to decrease over Iceland, but rising over our Islands and also in Norway.

Saturday, 23rd February, 1907.

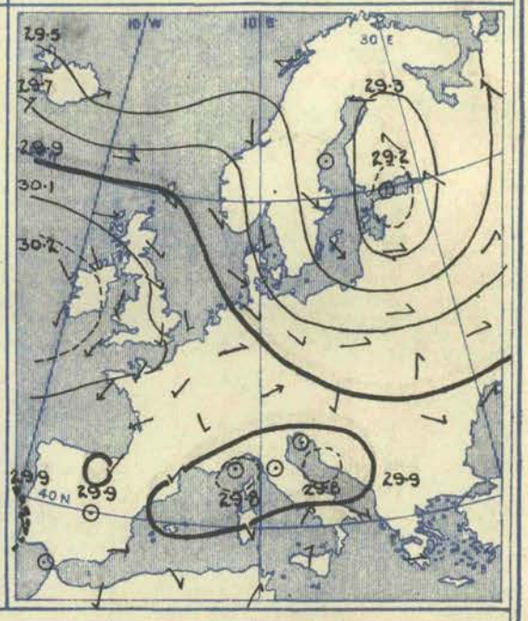
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair in several parts of these Islands and central Europe, as well as in Algeria; cloudy or overcast generally, with rain at Lisbon, Limoges, and in the north of Italy, and snow at Odessa, Munich, Skudesnaes, and over the Gulf of Finland. Slight snow or sleet falling later in isolated localities over these Islands and in a few places on the Continent, and heavy rain at Florence and Leghorn.

Temperature risen quickly in Iceland, changed rather irregularly as a whole. Readings in morning below 32° over nearly the whole of the Continent north of latitude 45°, and also in most parts of these Islands; lowest values 22° at Dungeness, 21° at Lemberg, and 12° at Haparanda. Above 45° on the west coast of France and above 50° on the west and south coasts of Spain and Portugal and in certain Mediterranean regions. Maxima during day below 40° at nearly all our own stations and over the central countries of Europe, but about 60° in some parts of Spain and about 70° in Algeria.

Wind in morning light to fresh or strong from between North and West over all the north-western countries, and light from some Southerly or South-Easterly point in the east and north-east of our area. A separate cyclonic movement of light to strong winds prevailing over the south of Europe. Little change later.

Barometer in morning above 30·1 ins. in an anticyclone extending from the Atlantic to Ireland. Below 29·8 ins. in a depression over the west of France and in another system over the Gulf of Genoa, and below 29·1 ins. in a more important disturbance having its minimum over Esthonia. Barometer falling again in Iceland. Rising steadily over our Islands and France during day, but a brisk fall occurring in Iceland. Southern disturbance becoming complex and that in the north travelling slowly eastwards.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶⟶ = a heavy gale; ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
February 18th, 9.42 a.m. to 11.25 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	41°	37°	[35°]				One kite, 60 sq. ft.; 5,000 ft. wire. Max. height, 4,300 ft. Overcast, a few drops of rain. Cloud level 1,200 ft. Partially cleared at mid-day.
		Humidity	85%	100%	90%	[80%]				
		Wind Velocity, m. per hr.	SW by W, 15	WSW, 35	W by S, 38	[W by S, 40]				
February 19th, 9.50 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	44°	36°						One kite, 60 sq. ft.; 2,100 ft. wire. Max. height, 2,200 ft. Cloud level, 1,700 ft.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	SW, —	SW by W, 5						
February 19th, 11.20 a.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	46°							One 7 ft. kite. After reaching 1,400 ft., the kite dived and was drawn in. Trace not decipherable, except anemometer, which indicated gusts of 60 miles per hour. Clouds fracto cumulus and cirro stratus. Wind velocity at lower cloud level, estimated from cloud shadows, about 50 miles per hour.
		Humidity	81%							
		Wind Velocity, m. per hr.	SW, —							
February 20th, 11 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Wind about 70 miles per hour at about 5,000 ft. Obtained from velocity of cloud shadows, and angular velocity of clouds.
		Humidity								
		Wind Velocity, m. per hr.	W, —			WNW, 70				
February 21st, 11.0 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	33°	26°						One kite; 1,500 ft. wire Clouds not reached. Velocity by shadows about 60 miles per hour.
		Humidity	65%	75%						
		Wind Velocity, m. per hr.	NW by W, 20	NW by W, 50						
February 22nd, 11.0 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	37°	30°	[21°]					One kite, 77 sq. ft.; 2,500 ft. wire. Max. height, 2,700 ft. More wire could not be got out owing to the light wind.
		Humidity	80%	70%	[80%]					
		Wind Velocity, m. per hr.	NW by W, 8	NW, 25	[NW by W, 25]					
February 23rd, 3.43 p.m. to 3.53 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—	—	—					Pilot balloon. Ascensional velocity of 400 ft. per minute assumed. Balloon lost to sight at about 4,400 ft., with wind NE ½ E, 11 miles per hour.
		Humidity	—	—	—					
		Wind Velocity, m. per hr.	N by E, 8*	N by E, 14	NE by N, 16					

* About 200 ft. above ground.

63, Victoria Street, London, S.W. *February 27th, 1907.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 9. NINTH WEEK, ENDING SATURDAY, MARCH 2ND, 1907. *Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—The week was generally fair and dry, but during the latter half many places experienced fog or mist at morning and night, and in some localities the atmosphere continued thick throughout the day. Lightning was observed at Swarraton late on Saturday.

Temperature was above the average except in England S.W. and the English Channel. In most districts the excess was slight, but in the N.E. and N. of Great Britain it amounted to between 3° and 5°. The highest of the maxima were generally recorded during the latter half of the week; in the English Channel and England S.W. the thermometer only rose to 53°, but in most other regions it touched or exceeded 55°, in Scotland E. and England N.E. it rose to 58°, and in Ireland S. to 59°. The lowest of the minima were registered on February 24th at nearly all stations; in England S.W. (at Llangammarch Wells and Cullompton respectively) the temperature fell to 13° and 19°, and in England S. and the Midland Counties to 20°, while elsewhere the values ranged from 23° in England E. and N.W. and Ireland S. to 28° in Ireland N., and to 32° in the Channel Islands.

Mean Temperature of the Sea.—The water was slightly warmer on most parts of the coast than during the preceding week. The figures ranged from between 44° and 45° on the N.W. and S.W. coasts of Ireland and the S.W. coast of England to about 39° at Eastbourne and along the E. coast of England, to 38·1° at Cromarty, and to 37°·7 at Shipwash.

Rainfall was less than the average in all districts, the fall being light or very light generally. At many English stations the week was rainless.

Bright Sunshine exceeded the average in Scotland E., England N.E., and the Midland Counties, and was almost identical with the normal in England N.W. and S. and the English Channel; elsewhere it was less. The percentage of the possible duration ranged from 36 in England N.E., 35 in the English Channel, and 33 in Scotland E. to 18 in Scotland N. and W., and to 17 and 14 respectively in Ireland S. and N.

Barometer and Wind.—An anticyclonic system of considerable size and intensity passed slowly eastwards across the United Kingdom, while there were no important depressions nearer than the Icelandic region. The winds were consequently light and mainly from some point between S.W. and N.W., but late in the week they became very variable over England or fell to a calm.

ERRATUM :—In last week's report, p. 57, the date after the word "morning" in the third line of the "Barometer and Wind" paragraph, should read "20th" instead of "16th."

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 68.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Very Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Deficient	Unusual	Moderate	Moderate
	Rainfall ...	Light	Very Light	Light	Very Light	Light	Very Light	Light	Light	Very Light	Light	Very Light	Very Light
	Sunshine ...	Scanty	Abundant	Abundant	Scanty	Abundant	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1906-7. 13 weeks from Dec. 2nd, 1906.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

PAST SEASONS.

WINTER, 1905-6. Dec. 3rd–Mar. 3rd. 13 weeks.	Warmth ...	4 * 4	4 * 3	3 * 3	4 * 0	2 * 1	0 * 2	2 * 2	5 * 3	4 * 5	4 * 2	5 * 5	3 * 0
	Rainfall ...	8 * 2	4 * 5	4 * 4	5 * 1	4 * 4	4 * 4	2 * 2	5 * 5	5 * 4	5 * 2	4 * 4	6 * 3
	Sunshine ...	4 * 1	7 * 2	5 * 1	3 * 4	4 * 2	5 * 2	6 * 1	5 * 1	5 * 1	6 * 1	3 * 5	5 * 4
SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (9th)—February 24th to March 2nd, 1907.

DISTRICTS. (See p. 67.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	27	46·5	37·3	41·9	+ 3·9	13	+ 7	20	- 15	4	- 1	0·38	- 0·46	13	- 4	18	- 6
Eastern																		
1. SCOTLAND, EAST	58	25	49·1	36·2	42·6	+ 4·9	29	+ 20	16	- 23	2	- 2	0·12	- 0·35	24	+ 5	33	+ 7
2. ENGLAND, N.E.	58	24	50·1	35·1	42·7	+ 4·0	34	+ 24	19	- 14	3	- 1	0·12	- 0·23	26	+ 8	36	+10
3. ENGLAND, EAST	57	23	47·2	32·2	39·7	+ 0·9	15	+ 2	38	+ 1	2	+ 3	0·07	- 0·29	17	- 4	23	- 6
4. MIDLAND COUNTIES	57	20	48·4	32·3	40·4	+ 1·6	18	+ 4	39	+ 3	1	- 3	0·04	- 0·38	24	+ 5	32	+ 7
5. ENGLAND, SOUTH	55	20	47·2	32·9	40·1	+ 0·1	15	0	36	+ 7	1	- 3	0·01	- 0·45	21	0	29	0
Western																		
6. SCOTLAND, WEST	56	25	48·1	36·5	42·3	+ 2·9	25	+ 16	15	- 14	2	- 2	0·29	- 0·54	13	- 5	18	- 7
7. ENGLAND, N.W.	56	23	46·6	35·7	41·2	+ 1·7	13	+ 2	26	- 3	2	- 1	0·12	- 0·43	18	- 1	25	- 2
8. ENGLAND, S.W.	53	13	46·7	32·8	39·8	- 1·2	13	- 4	36	+ 12	1	- 2	0·01	- 0·69	18	- 6	23	- 8
9. IRELAND, NORTH	55	28	47·4	38·2	42·8	+ 2·3	22	+ 7	11	- 14	2	- 3	0·09	- 0·56	10	- 9	14	-12
10. IRELAND, SOUTH	59	23	48·0	37·7	42·9	+ 0·7	24	+ 3	12	- 7	2	- 2	0·06	- 0·68	13	- 10	17	-13
11. CHANNEL ISLANDS	53	32	48·4	38·3	43·4	- 0·4	25	+ 2	10	+ 1	1	- 3	0·01	- 0·60	26	- 1	35	- 1

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 13 Weeks, December 2nd, 1906, to March 2nd, 1907.

0. SCOTLAND, NORTH	58	8	*	*	*	*	107	+ 11	494	+ 65	72	+ 6	17·55	+2·08	100	- 11	15	- 2
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	123	+ 18	549	+ 58	46	- 6	5·63	- 1·81	194	+ 41	27	+ 6
2. ENGLAND, N.E.	58	15	*	*	*	*	107	- 14	502	+ 91	45	- 2	4·38	- 0·98	220	+ 75	29	+10
3. ENGLAND, EAST	57	10	*	*	*	*	76	- 56	550	+ 85	43	- 6	4·60	- 0·69	196	+ 22	25	+ 3
4. MIDLAND COUNTIES	57	10	*	*	*	*	102	- 49	529	+ 59	40	- 8	4·48	- 1·78	201	+ 47	26	+ 6
5. ENGLAND, SOUTH	56	3	*	*	*	*	107	- 80	460	+109	39	- 7	4·36	- 2·49	212	+ 37	27	+ 5
Western																		
6. SCOTLAND, WEST	56	15	*	*	*	*	126	- 19	392	+ 56	57	0	12·13	- 1·81	147	+ 14	20	+ 2
7. ENGLAND, N.W.	57	14	*	*	*	*	105	- 44	401	+ 61	53	+ 1	7·45	- 1·17	183	+ 44	24	+ 6
8. ENGLAND, SW.	56	5	*	*	*	*	132	-103	381	+115	51	- 2	7·72	- 3·17	206	+ 18	26	+ 2
9. IRELAND, NORTH	56	8	*	*	*	*	154	- 33	296	0	63	+ 1	8·58	- 1·40	150	- 2	20	0
10. IRELAND, SOUTH	59	11	*	*	*	*	233	- 47	263	+ 32	55	- 1	6·39	- 5·22	163	- 16	21	- 2
11. CHANNEL ISLANDS	56	21	*	*	*	*	260	- 92	115	+ 18	55	- 5	6·53	- 3·11	205	- 12	25	- 2

THE YEAR.—Aggregates, &c., for the period of 9 Weeks, December 30th, 1906, to March 2nd, 1907.

0. SCOTLAND, NORTH	54	8	*	*	*	*	53	- 7	335	+ 19	48	+ 2	12·08	+2·09	92	+ 1	18	0
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	68	- 4	381	+ 24	30	- 5	3·44	- 1·32	161	+ 39	31	+ 7
2. ENGLAND, N.E.	58	15	*	*	*	*	75	- 5	342	+ 41	28	- 5	2·28	- 1·11	179	+ 64	33	+12
3. ENGLAND, EAST	57	10	*	*	*	*	46	- 44	379	+ 40	27	- 7	2·64	- 0·81	154	+ 14	27	+ 3
4. MIDLAND COUNTIES	57	10	*	*	*	*	66	- 38	377	+ 41	24	- 9	2·44	- 1·71	154	+ 34	28	+ 6
5. ENGLAND, SOUTH	55	16	*	*	*	*	73	- 45	324	+ 65	22	-10	2·72	- 1·73	160	+ 26	28	+ 5
Western																		
6. SCOTLAND, WEST	56	16	*	*	*	*	75	- 16	264	+ 15	38	- 2	7·69	- 1·32	117	+ 10	22	+ 2
7. ENGLAND, N.W.	56	15	*	*	*	*	60	- 34	290	+ 39	34	- 2	4·20	- 1·46	147	+ 35	27	+ 6
8. ENGLAND, S.W.	54	5	*	*	*	*	80	- 71	288	+ 89	35	- 1	4·71	- 2·32	156	+ 12	27	+ 2
9. IRELAND, NORTH	55	16	*	*	*	*	93	- 32	208	- 9	43	+ 1	5·11	- 1·44	117	- 1	21	0
10. IRELAND, SOUTH	59	11	*	*	*	*	157	- 29	191	+ 26	36	- 2	3·77	- 3·80	126	- 10	22	- 2
11. ENGLISH CHANNEL	53	21	*	*	*	*	153	- 56	90	+ 11	34	- 7	3·60	- 2·31	160	- 9	27	- 2

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

III.—DATA from which the SUMMARY on page 66 has been calculated.

February 24–March 2, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	46	29	44·4	38·7	41·6	+ 3·2	7	14	5	0·53	− 0·17	19·2	+ 1·0	27	+ 1
		Stornoway	50	30	47·1	37·9	42·5	+ 3·1	21	11	5	0·27	− 0·65	11·0	− 8·0	16	− 11
	Mainland.	Wick	49	27	47·1	35·1	41·1	+ 2·6	14	28	2	0·17	− 0·33	*	*	*	*
		†Lairg (Strathpeffer) ..	54	32	47·5	36·4	42·0	+ 5·6	15	16	4	0·21	− 0·52	12·4	− 5·4	17	− 8
		Glencarron	48	32	45·0	37·5	41·3	+ 3·8	8	18	5	1·02	− 0·76	*	*	*	*
		Fort Augustus	50	30	47·7	37·3	42·5	+ 3·6	23	13	2	0·07	− 0·88	8·9	− 4·9	12	− 7
		Fort William	50	33	46·6	38·4	42·5	+ 3·0	19	10	6	0·37	− 1·29	*	*	*	*
1. SCOTLAND, E.		Nairn	51	30	48·1	36·1	42·1	+ 3·5	25	17	3	0·05	− 0·35	16·7	—	23	—
		Aberdeen	57	28	49·9	37·1	43·5	+ 4·5	31	14	2	0·02	− 0·53	26·5	+ 4·5	37	+ 6
		†Balmoral (Crathes) ..	50	25	47·1	33·6	40·4	+ 5·0	14	33	3	0·04	− 0·61	29·9	—	42	—
		†Clathick (Balruddery) ..	58	29	51·3	36·5	43·9	+ 4·9	36	15	1	0·37	− 0·57	27·0	—	38	—
		†Leith (Edinburgh) ..	52	30	49·0	37·6	43·3	+ 2·8	28	12	1	0·07	− 0·29	19·1	+ 1·8	27	+ 3
		Marchmont									2	0·15	− 0·41	25·0	+ 4·6	34	+ 6
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	58	28	51·6	36·4	44·0	+ 4·7	38	16	2	0·10	− 0·44	33·0	—	45	—
		†Shields (Newcastle)	55	24	49·0	34·0	41·5	+ 1·5	20	33	2	0·14	− 0·25	21·5	+ 5·7	30	+ 8
		Durham	56	28	50·4	35·3	42·9	+ 3·9	34	19	2	0·08	− 0·32	27·2	+ 6·8	37	+ 9
		Scarborough .. .. ℳ	56	29	52·7	38·0	45·4	+ 5·2	41	11	2	0·18	− 0·25	23·0	—	32	—
		York	57	27	50·7	34·7	42·7	+ 2·5	36	20	2	0·07	− 0·33	22·4	+ 4·3	31	+ 6
	Southern part.	Spurn Head	53	29	47·7	36·3	42·0	+ 2·1	16	16	3	0·18	− 0·12	*	*	*	*
		†Lincoln (Skegness)	53	26	49·9	33·1	41·5	+ 1·3	22	37	3	0·08	− 0·29	25·8	—	35	—
		†Fulbeck (Rauceby)	55	24	49·1	33·3	41·2	+ 1·4	20	35	4	0·13	− 0·25	25·8	—	35	—
3. ENGLAND, E.	Northern part.	Hillington .. .. ℳ	53	26	48·6	31·7	40·2	+ 0·3	18	41	3	0·25	− 0·19	18·3	− 3·1	25	− 4
		†Yarmouth (Lowestoft) ..	48	25	45·3	33·3	39·3	− 0·1	9	33	2	0·10	− 0·27	15·4	—	21	—
		Geldeston	57	23	49·3	31·9	40·6	+ 0·4	20	40	3	0·06	− 0·28	13·6	− 9·4	18	− 13
		(Cromer)												18·9	—	26	—
	Southern part.	Cambridge	52	23	48·9	31·5	40·2	− 0·2	19	42	2	0·10	− 0·23	17·0	− 5·7	23	− 7
		Felixstowe	52	27	45·1	32·5	38·8	− 1·7	9	35	1	0·02	—	17·6	—	24	—
		Clacton-on-Sea	50	25	45·7	33·4	39·6	− 1·0	10	33	0	0·00	—	18·3	—	25	—
		Rothamsted	51	23	47·5	30·3	38·9	− 0·6	15	45	3	0·08	− 0·36	20·2	− 1·0	27	− 1
		†Shoeburyness (Southend) ..	50	25	46·7	32·9	39·8	− 1·2	13	35	2	0·03	− 0·26	20·5	—	28	—
		London, Westminster	52	26	48·0	32·3	40·2	− 1·3	17	39	0	0·00	− 0·38	7·9	− 4·0	11	− 5
		(Dunmow)												20·0	—	27	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	57	24	48·9	34·5	41·7	+ 2·8	19	31	2	0·14	− 0·36	32·9	—	45	—
		†Bawtry (Worksop)	55	24	50·0	32·7	41·4	+ 1·1	22	39	2	0·06	− 0·33	19·7	+ 1·3	27	+ 2
		Nottingham	54	23	49·6	30·9	40·3	+ 0·3	21	45	2	0·02	− 0·36	16·5	—	22	—
		Colly Weston	54	22	49·9	32·4	41·2	+ 1·1	22	39	?	?	?	*	*	*	*
		Birmingham, Edgbaston ..	51	26	46·6	35·9	41·3	+ 1·3	13	25	2	0·06	− 0·35	11·8	—	16	—
		Oxford	52	23	48·1	30·1	39·1	− 1·8	17	46	0	0·00	− 0·40	21·5	+ 0·7	29	+ 1
	Western part.	†Cheadle (Sheffield) .. ℳ	51	24	44·6	34·5	39·6	+ 0·6	7	28	3	0·08	− 0·45	28·0	—	38	—
		Shrewsbury	53	26	48·9	34·8	41·9	+ 0·7	19	30	2	0·05	—	*	*	*	*
		Hereford .. .. ℳ	53	21	48·7	30·9	39·8	− 1·3	19	44	1	0·01	− 0·44	*	*	*	*
		Cirencester	52	20	47·5	28·7	38·1	− 1·6	15	50	0	0·00	− 0·50	27·2	+ 5·3	37	+ 7
		Bath	53	23	50·0	29·4	39·7	− 1·8	22	50	0	0·00	− 0·51	33·2	—	45	—
		(Margate)												16·7	− 5·3	23	− 7
5. ENGLAND, S		Kew	52	25	47·8	32·2	40·0	− 1·0	16	38	0	0·00	− 0·38	19·2	+ 0·6	26	+ 1
		Wisley, Surrey	53	24	48·4	30·6	39·5	− 1·0	18	44	1	0·01	—	22·8	—	31	—
		†Swarraton (Ventnor) .. ℳ	53	21	47·8	30·3	39·1	− 0·9	16	45	1	0·03	− 0·52	29·2	+ 3·7	39	+ 5
		Tunbridge Wells .. ℳ	53	21	47·6	31·5	39·6	− 0·7	16	41	1	0·02	− 0·48	24·0	+ 2·4	32	+ 4
		†Dungeness (Littlestone) ..	48	20	44·0	30·6	37·3	− 3·6	6	41	1	0·01	− 0·31	19·2	—	26	—
		Hastings	51	25	45·8	36·1	41·0	− 0·2	11	24	‡0	0·02	− 0·45	21·0	− 4·0	28	− 5
		Southampton	55	25	50·2	34·8	42·5	+ 0·1	34	20	0	0·00	− 0·52	27·6	+ 4·5	37	+ 7
		†Portland Bill (Worthing) ..	48	29	45·9	37·4	41·7	− 1·0	11	19	0	0·00	—	17·7	—	24	—
		(Eastbourne)												15·6	− 8·2	21	− 11
6. SCOTLAND, W.		†Laudale (Oban)	51	33	47·1	38·3	42·7	+ 2·1	20	10	5	0·32	− 1·28	9·9	—	14	—
		Glasgow	49	33	47·1	39·2	43·2	+ 3·5	20	8	1	0·52	− 0·14	8·7	− 5·4	12	− 7
		Dumfries .. .. .. S	56	29	49·7	36·1	42·9	+ 2·9	31	17	1	0·05	− 0·78	*	*	*	*
		Cally .. .. S	55	25	49·7	35·0	42·4	+ 2·7	32	20	2	0·46	− 0·47	*	*	*	*
		Douglas, Isle of Man	50	30	46·8	34·1	40·5	− 0·8	13	31	2	0·08	− 0·63	20·9	− 2·0	29	− 2
7.	ENGLAND, N.W.	Aspatria	52	28	46·4	36·2	41·3	+ 2·2	12	23	3	0·18	− 0·42	21·3	—	29	—
		Newton Rigg	51	26	46·6	33·8	40·2	+ 2·1	13	32	3	0·15	− 0·55	20·5	+ 1·2	28	+ 2
		Stonyhurst	50	25	45·5	34·8	40·2	+ 0·7	10	28	2	0·19	− 0·61	12·9	− 5·7	18	− 7
		Blackpool .. .. .. ℳ	50	27	45·1	34·9	40·0	− 0·1	9	27	2	0·14	− 0·39	15·8	− 3·5	22	− 4
		Manchester, Prestwich ..	51	23	44·7	35·3	40·0	+ 0·2	8	25	3	0·16	− 0·40	3·6	− 10·4	5	− 14
		†Liverpool Obs. (Hoylake) ..	49	29	45·0	34·9	40·0	− 1·0	8	27	3	0·16	− 0·26	19·0	—	26	—
		†Hawarden Bridge (Southport)	50	27	46·8	35·4	41·1	− 0·6	13	26	2	0·10	− 0·24	16·3	− 3·8	22	− 5
	NORTH WALES	Llandudno .. .. ℳ	51	35	47·4	38·4	42·9	+ 0·3	21	10	2	0·02	− 0·47	19·1	− 1·9	26	− 3
		†Holyhead (Aberdovey) ..	51	33	47·1	38·0	42·6	+ 0·2	21	11	1	0·07	− 0·50	24·8	—	34	—
		Bettws-y-Coed	56	25	51·6	34·9	43·3	+ 1·2	39	20	1	0·02	—	27·6	—	37	—
8.	SOUTH WALES	Llangammarch Wells	51	13	47·3	27·7	37·5	− 2·9	15	54	1	0·01	—	24·0	—	32	—
		Pembroke	46	31	44·7	37·1	40·9	− 1·8	8	19	0	0·00	− 0·60	14·3	− 9·1	19	− 12
		†Cardiff (Aberystwyth)	53	21	48·5	29·7	39·1	− 2·7	18	48	1	0·01	− 0·71	23·5	—	32	—
	ENGLAND, S.W.	†Clifton (Torquay)	51	24	48·3	33·1	40·7	− 0·6	18	36	2	0·07	− 0·50	30·1	+ 5·6	40	+ 7
		†Shaftesbury (Marlborough) ℳ	51	23	46·2	33·2	39·7	+ 0·1	12	34	1	0·01	− 0·56	22·0	+ 3·5	30	+ 5
		†Arlington (Newquay)	50	21	44·4	31·6	38·0	− 2·9	7	38	1	0·01	− 0·91	11·9	− 12·7	16	− 17
		Cullompton .. .. ℳ	53	19	48·4	29·6	39·0	− 3·3	18	48	0	0·00	− 0·64	22·2	+ 0·5	30	+ 1
		Plymouth	53	25	46·8	34·8	40 8	− 2·5	13	29	0	0·00	− 0·64	18·7	− 5·2	25	− 7
		Falmouth	50	28	45·7	38·8	42·3	− 1·7	16	9	0	0·00	− 0·85	8·1	− 16·9	11	− 23
9. IRELAND, N.	Western part.	Malin Head	51	33	45·9	39·6	42·8	+ 0·8	16	7	3	0·08	− 0·43	*	*	*	*
		Edenfel	51	29	46·0	37·9	42·0	+ 2·1	11	11	2	0·15	− 0·49	*	*	*	*
		Blacksod Point	51	34	48·1	39·7	43·9	+ 0·7	23	6	4	0·10	− 0·77	*	*	*	*
		Markree Castle	55	28	48·7	37·4	43·1	+ 1·9	27	13	2	0·05	− 0·66	10·2	− 8·8	14	− 12
	Eastern part.	Armagh	52	28	47·6	38·6	43·1	+ 2·4	22	10	1	0·11	− 0·39	9·9	− 9·1	14	− 12
		Donaghadee	51	31	48·1	36·0	42·1	+ 0·5	26	17	2	0·07	− 0·44	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	55	31	48·5	40·2	44·3	+ 1·3	25	6	1	0·02	− 0·46	9·1	− 13·1	12	− 18
		Kilkenny	52	24	46·6	35·6	41·1	− 1·2	13	26	2	0·05	− 0·54	*	*	*	*
		Waterford	50	29	46·4	37·0	41·7	− 0·9	12	21	1	0·01	− 0·74	*	*	*	*
	Western part.	Birr Castle	55	23	48·0	34·4	41·2	− 0·1	17	31	0	0·00	− 0·55	12·7	− 7·3	17	− 10
		Foynes	55	31	48·8	39·8	44·3	+ 1·2	25	6	2	0·03	− 0·67	*	*	*	*
		Killarney	59	29	50·3	38·4	44·4	+ 0·4	32	10	3	0·06	− 1·10	*	*	*	*
		Valencia	54	29	49·3	38·1	43·7	− 1·4	28	11	4	0·19	− 0·92	19·7	− 2·8	27	− 3
		†Roches Point (Ballinacurra) ..	48	30	46·4	38·3	42·4	− 1·7	18	10	6	0·11	− 0·78	8·4	—	11	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	52	36	48·0	39·4	43·7	− 2·1	23	7	2	0·03	− 0·58	5·8	− 20·2	8	− 27
		†Jersey, St. Aubins (St. Heliers)	52	33	48·6	37·1	42·9	− 1·1	27	14	0	0·00	− 0·59	36·1	+ 9·2	48	+ 12
		Guernsey	53	32	48·6	38·3	43·5	− 0·8	26	10	‡0	0·01	− 0·60	35·7	+ 8·2	48	+ 11

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Dew or hoar frost.

Additional Sunshine Totals for the week: Ramsgate, 17·5 hrs., 24 %; Brighton, 15·8 hrs. (− 8·2), 21 % (− 11 %); Bournemouth, 34·2 hrs., 46 %; Bognor, 21·6 hrs., 29 %. Rhyl, 18·0 hrs., 24 %; Tenby, 16·7 hrs. (− 8·3), 23 % (− 11 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	37·8
	Crathes	4	19	35·9	36·1
	Balmoral	3	20	—	—
	Marchmont ..	—	—	—	—
2.	Cockle Park	3	22	36·6	38·1
	York	—	—	37·0	39·6
	Hull	6	23	36·7	39·3
	Lincoln	—	—	35·5	39·0
3.	Lowestoft	—	—	37·8	39·9
	Cambridge	4	18	37·3	40·7
	Dunmow	5	17	—	—
	Clacton-on-Sea ..	6	20	38·6	41·8
4.	Harrogate	3	21	37·2	38·5
	Sheffield	3	23	36·1	39·2
	— — ..				
	Birmingham	4	18	38·8	42·5
	Nottingham	4	18	35·4	37·5
	— — ..				
5.	Kew	4	14	37·6	41·8
	Canterbury	4	22	38·1	41·9
	Portsmouth	5	18	39·5	43·1
	Wisley	—	—	38·2	41·2
6.	— — ..				
	Glasgow	2	25	—	—
	— — ..				
7.	Newton Rigg ..	5	19	37·2	38·9
	Southport	3	21	36·8	38·6
	Manchester City ..	1	23	36·2	40·0
	Bettws-y-Coed ..	3	22	38·1	42·2
	— — ..				
8.	Llangammarch Wells	5	6	37·6	41·6
	Bath	—	—	39·0	42·9
	Plymouth	6	17	39·6	—
	— — ..				
9.	Armagh	1	24	40·0	41·8
	Markree Castle ..	2	21	—	—
10.	Dublin, Trin. Coll. ..	2	25	40·5	42·3
11.	Guernsey, Brooklyn	3	24	42·0	44·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	40	41·1
	Kirkwall	43	33	40·6
	Wick	43	42	42·3
SCOTLAND, E.	Cromarty	40	36	38·1
	Pennan Bay	40	38	39·2
	Aberdeen, Cove Bay ..	41	39	40·3
ENGLAND, N.E.	Burnmouth, Berwick ..	40	37	39·3
	Scarborough	44	37	39·4
ENGLAND, E.	Shipwash Lightship ..	39	36	37·7
ENGLAND, S.E.	Eastbourne‡	39	38	38·9
SCOTLAND, W.	Lamlash	44	42	43·2
	Ballantrae	44	42	43·2
ENGLAND, N.W.	Port Erin	44	42	42·9
ENGLAND, S.W.	Newquay	46	44	44·7
	Plymouth‡	45	44	44·7
	Salcombe	44	44	44·0
IRELAND, N.W.	Sheephaven	45	42	44·2
	Ballyglass	49	44	45·4
IRELAND, S.W.	Cleggan	46	42	44·3
	Seafield	48	40	45·1
IRELAND, E.	Kingstown‡	42	40	40·7

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

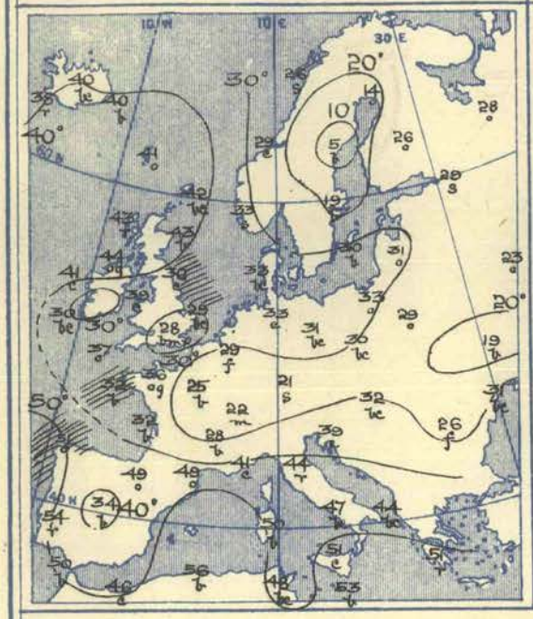
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

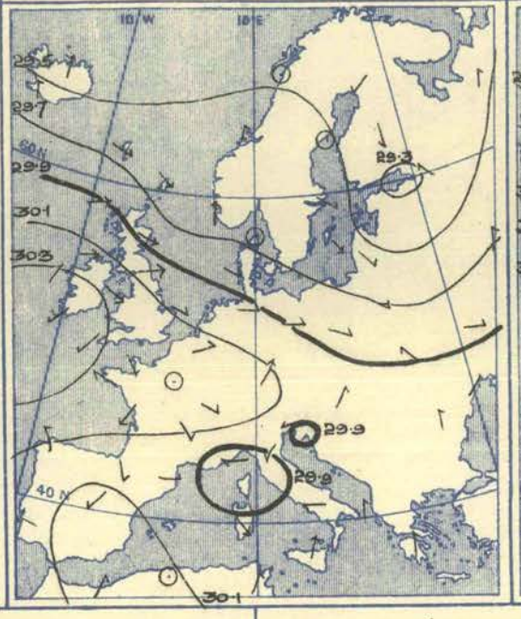
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 24th February, 1907.

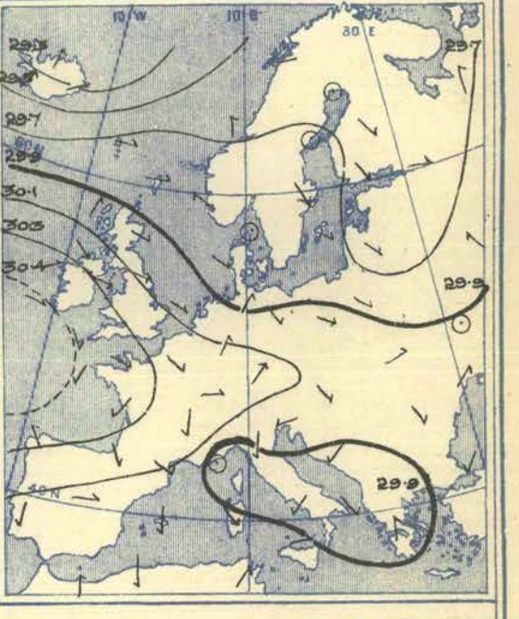
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in many places, but rather unsettled generally, with rain at Athens, over the north of Italy, at Lisbon and Bilbao, and also in the Hebrides, and snow in some parts of central and northern Europe. Nearly an inch of rain falling later at Constantinople, slighter amounts in the south of Italy and at some of our own stations, and some rain or snow in Scandinavia and Germany.

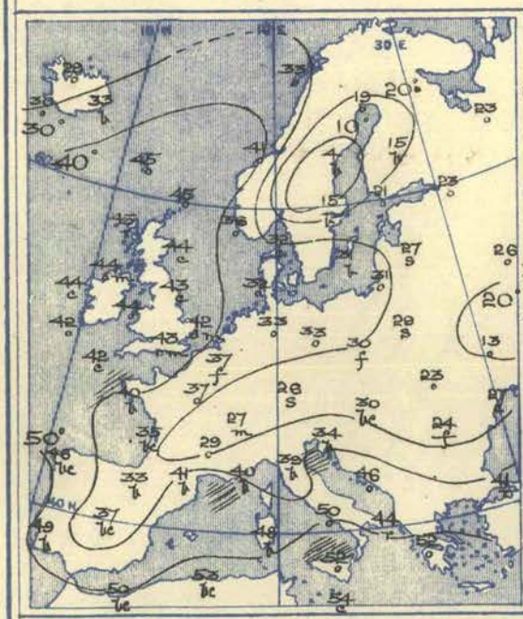
Temperature risen over the United Kingdom and Iceland, changed little or fallen in most other regions. Readings in morning below the freezing point over central and eastern England and over central Ireland, and also over the major portion of central and northern Europe. Lowest reading, 5° at Haparanda. Above 50° at a few stations in the far south and south-west of our area. Rising later to above 70° in central Algeria, to 66° at Oran, and to above 60° at several stations on the shores of the Mediterranean. Maxima below 45° in some parts of this country, and below 40° over the central countries of the Continent.

Wind in morning showing a cyclonic movement of no great force around the Gulf of Finland and another cyclonic circulation over the Mediterranean. Moderate to fresh Westerly or North-Westerly breezes prevailing over these Islands, and South-Westerly winds in Iceland. Scarcely any change taking place during day.

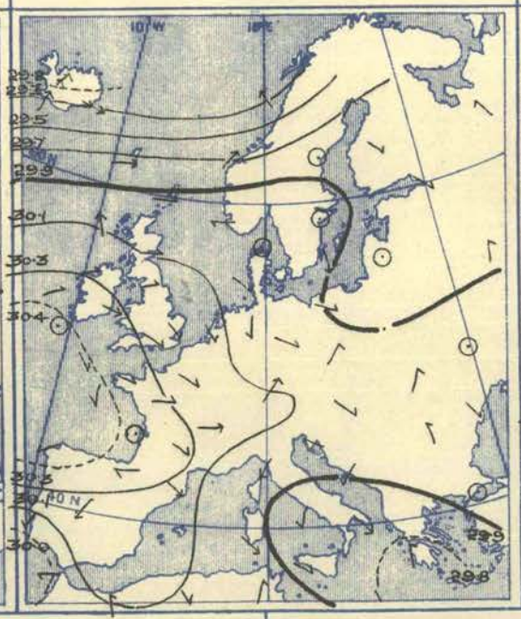
Barometer in morning above 30·3 ins. in a large anticyclone extending from the Atlantic to the centre of Ireland and the northern portion of the Bay of Biscay, and relatively high over Algeria and Spain. Below 29·9 ins. in a shallow system having its centre over Corsica, below 29·3 ins. in another minimum over the Gulf of Finland, and below 29·5 ins. in the extreme north of our area. A shallow secondary disturbance shown between Shetland and Norway. Finnish depression becoming less deep during day, but no decided change occurring in the general distribution of pressure. A fall of the barometer taking place in Iceland.

Monday, 25th February, 1907.

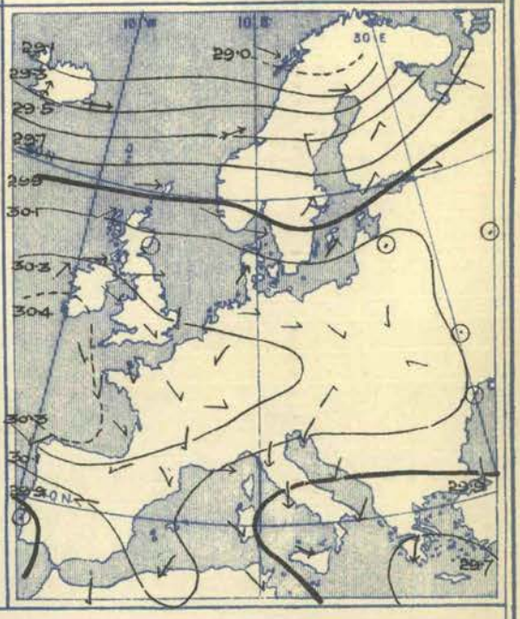
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in some localities, mostly in the south of our area. Cloudy or overcast generally, with rain at Constantinople, Birr Castle, and Stornoway, and snow at several stations in central Europe. Slight rain falling at some Scottish stations later, considerable amounts of snow in Norway, and of rain in Greece.

Temperature risen over our Islands, the nearer parts of the Continent, and Norway, fallen in most other regions. Readings in morning above 50° in the extreme south and above 40° at nearly all our own stations, but below 32° over many parts of France, central Europe, and in the most northern countries; lowest value, 4° at Hernösand. Rising during day to 57° at Aberdeen, and to above 50° at some of our other stations, as well as over the Mediterranean region. Thermometer recording readings of 60° and upwards in Algeria.

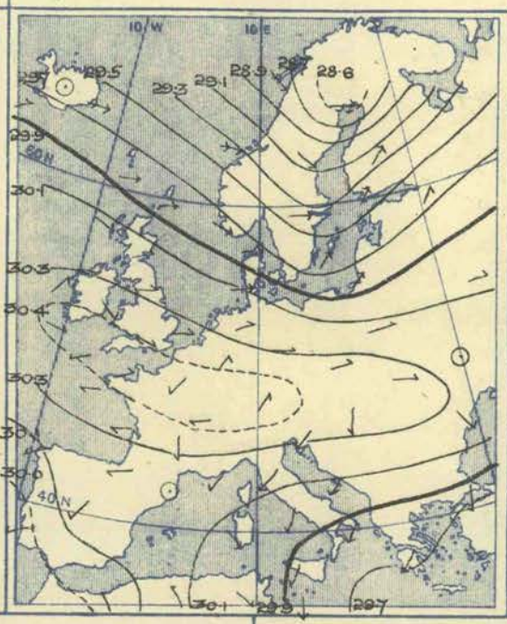
Wind in morning strong to a gale from the Westward or South-Westward over Iceland and Norway, light from West or North-West over our Islands, and drawing into East over the Spanish Peninsula. A moderate to fresh breeze from between North-West and North-East prevailing over the Mediterranean. Some increase in force later over the latter region, and wind backing somewhat and increasing in strength over the far north and north-west of our area.

Barometer in morning ranging from above 30·4 ins. in an anticyclone covering the south of Ireland and the adjacent portion of the ocean, to below 29·2 ins. in a very extensive depression in the far north of our area. Relatively low in disturbances over the north of Russia, the Balkan Peninsula, and off the south-west of Spain. Anticyclone extending eastwards during day and a decided fall of the barometer taking place at the same time in the north of Scandinavia. Gradients consequently increasing considerably over northern Europe.

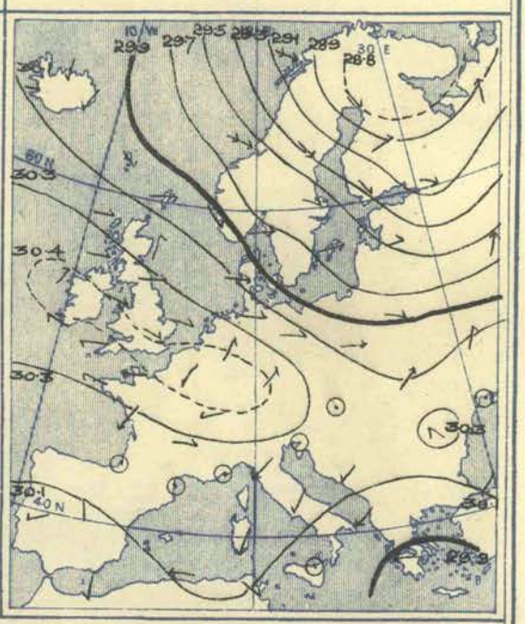
Tuesday, 26th February, 1907.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of southern Europe but rainy at Athens and Constantinople, as well as at La Calle. Cloudy or overcast over our area generally, with snow at several stations in the northern countries of the Continent, and fog in some localities. A little rain falling later in Algeria and at Tunis, and as much as 0·55 in. at San Fernando and 0·38 in. at Sumburgh Head.

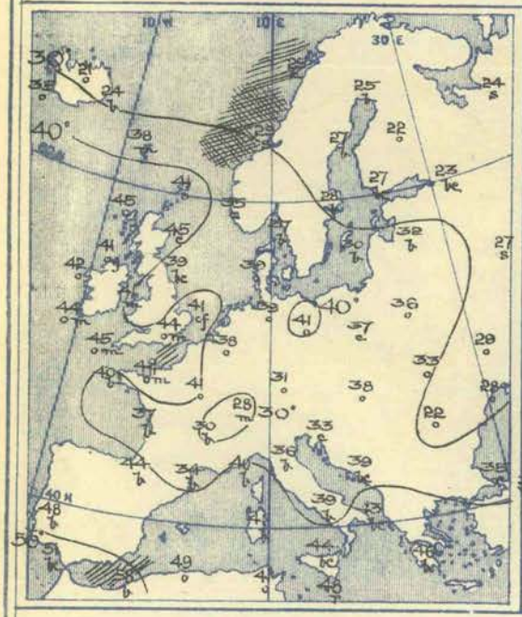
Temperature risen quickly in Sweden, fallen or changed little as a whole. Readings in morning rather above 50° in Portugal and only a little below it at several Mediterranean stations. As low as 17° at Kieff and below 32° over large areas in central and eastern Europe. Rising during day to above 50° in Scotland and the northern parts of England and Wales, but not touching 40° in some parts of central Europe, and only rising to 43° at Naples. Maxima above 60° in the extreme south and as high as 66° at Oporto.

Wind in morning between West and North-West at nearly all stations north of latitude 50°; light or moderate generally, but strong to a gale over the Scandinavian region and at Seydisfjord. Mainly Easterly or North-Easterly over the Mediterranean and southern Europe; fresh or strong in many places, and blowing a gale in Greece. Veering a few points at most northern stations during day, but not much change as a whole.

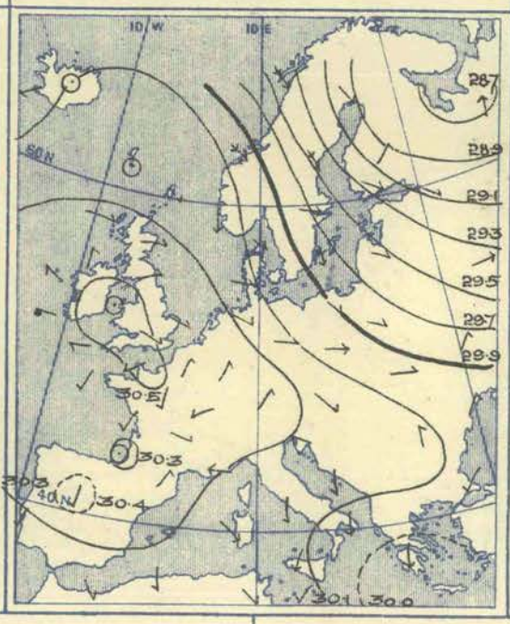
Barometer in morning 30·3 ins. to above 30·4 ins. in an elongated area extending from the Atlantic to Bessarabia. Below 29·7 ins. over Greece and Asia Minor, and below 28·6 ins. in a large disturbance having its minimum over the Arctic portion of Scandinavia. Relatively low over the extreme south-west of our area. Northern depression moving eastwards and extending south-eastwards during day. Barometer rising decidedly over the Icelandic region and remaining almost stationary over the United Kingdom.

Wednesday, 27th February, 1907.

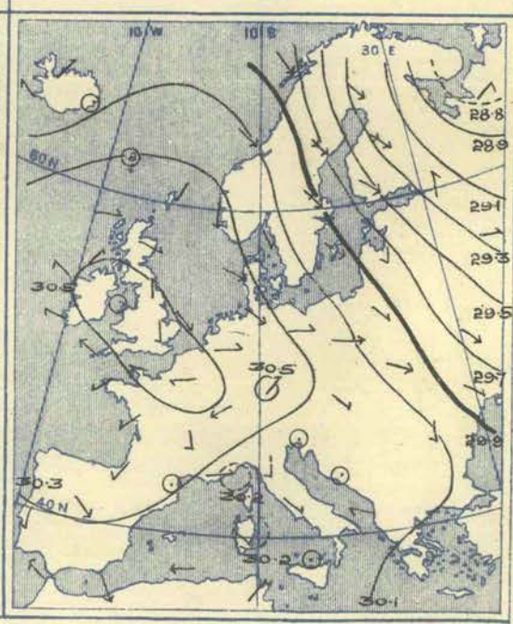
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all southern regions, as well as in Sweden, and over the Baltic, and at a few of our own stations. Rain falling at Malta, La Calle, and Constantinople, and snow at Christiansund and over northern Russia. Scarcely any precipitation occurring later in day in any part of our area, and much sunshine experienced over the north and north-west of England.

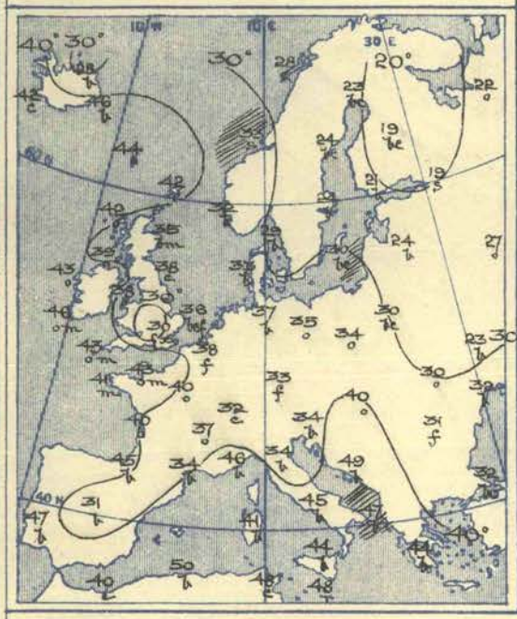
Temperature risen over the central countries, fallen in several northern regions, as well as in Portugal and Algeria. Readings in morning above 50° over the west of Algeria, but below 40° over our area generally, and below 32° in the east and north. Rising subsequently to above 60° in many parts of the United Kingdom, France, and Italy, and to above 66° in Algeria and the Spanish Peninsula. Highest value, 66° at Oporto.

Wind in morning North-Westerly to Westerly over all the northern and north-eastern countries, and strong to a gale over Scandinavia and the Gulf of Finland. Light or moderate breezes from some Northerly point over the Mediterranean region, and a light anticyclonic circulation over these Islands and France. Scarcely any change later in day; becoming more variable in direction over the Mediterranean.

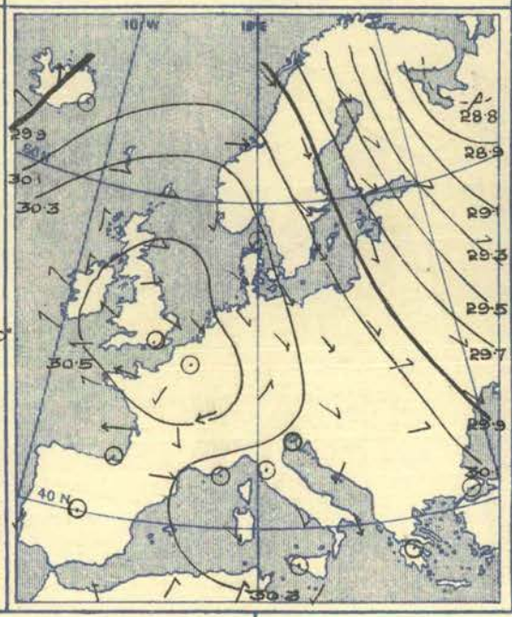
Barometer in morning ranging from above 30·5 ins. in an anticyclone having its central part over the west of these Islands and the Channel, to below 30·0 ins. over Greece, and to less than 28·7 ins. in a large depression centred over the White Sea. Anticyclone increasing both in size and intensity during day, its central space occupying the greater portion of these Islands by 6 p.m. White Sea disturbance travelling away eastwards.

Thursday, 28th February, 1907.

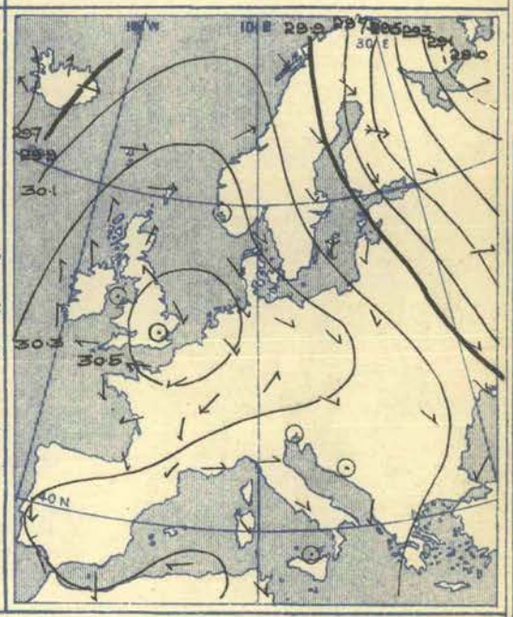
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at nearly all places in the south of our area, and also at several of our own stations and in the north-east of Europe. Rain falling at Malta, snow at Christiansund and St. Petersburg, and fog prevailing in many parts of Great Britain, the Low Countries, and at Munich and Hermanstadt. Day very bright over the greater portion of the United Kingdom, but much cloud in the extreme south-west and west.

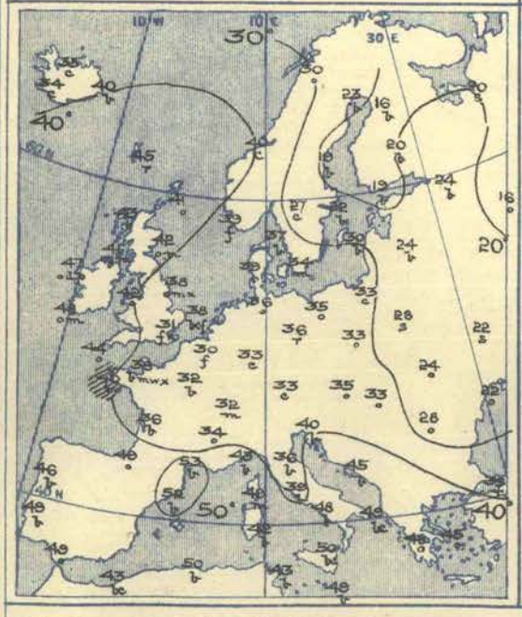
Temperature falling over England, Scotland, the region of the Baltic, and the Spanish Peninsula, as well as in Algeria. Readings in morning below 32° in some parts of Great Britain and over the east and north-east of our area, and also at Madrid. Above 45° at Seydisfjord, in Portugal, and at several stations on the shores of the Mediterranean, but as low as 32° at Aumale. Thermometer rising to 50° or a little higher in many parts of England during day, and to above 60° in the Mediterranean region and on the coast of Portugal. Maxima rather low over the central countries.

Wind in morning showing a very extensive circulation of light anticyclonic winds around these Islands. A North-Westerly current, strong to a gale, prevailing over the Gulfs of Finland and Bothnia and the upper part of the Baltic, and light or moderate Northerly breezes over most of the Mediterranean. Very little change occurring later in day.

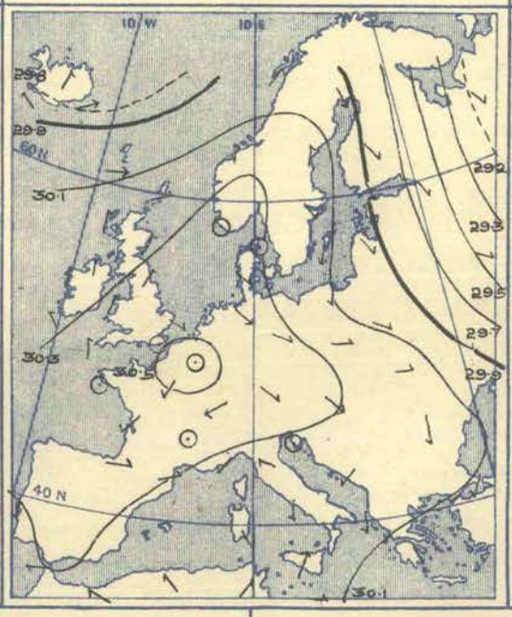
Barometer in morning above 30·5 ins. in a large anticyclone having its maximum over this country and the adjacent portion of the Continent. Below 29·9 ins. over the west of Iceland, and below 28·8 ins. in a large depression in the far north of Russia. General distribution undergoing very little modification during day; anticyclonic centre moving slightly further to the east, and a fall of the barometer taking place in Iceland.

Friday, 1st March, 1907.

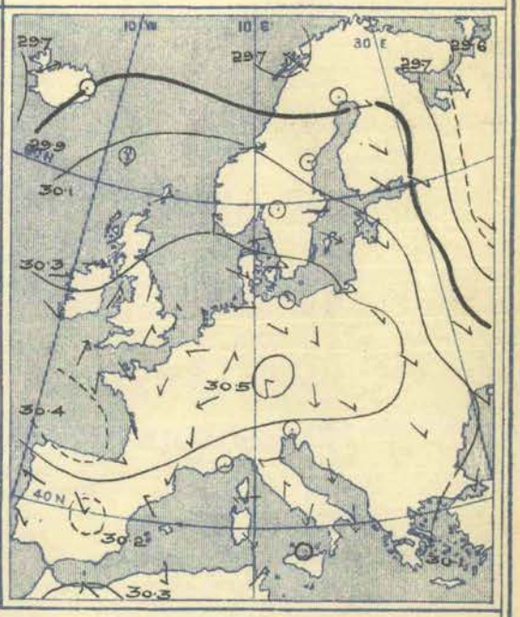
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all southern regions as well as in the north-east of our area, but rain falling at Constantinople and snow at Archangel. A good deal of cloud prevailing over Europe as a whole, with rain at Berlin and snow at Warsaw and Kieff. Much mist or fog prevailing over the Low Countries and in some parts of these Islands. Rain ceasing later in day over the north of England, and very little precipitation experienced in any part of our area. Fog continuing on some of the North Sea shores.

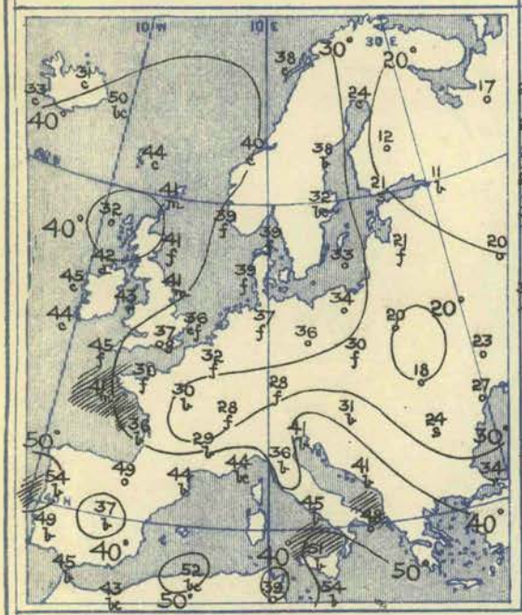
Temperature showing no general change. Readings in morning ranging from 50° at Algiers and 53° at Perpignan, to below 40° as a whole, and to below the freezing point over the east and north-east of our area, and also in some parts of England. Lowest value, 16° at Moscow and Uleaborg. Thermometer rising to 50° or slightly higher during day at several of our own stations and in many parts of France and southern Europe, to 60° in Algeria and Sicily, and touching 70° at Madrid.

Wind in morning showing a vast but not very regular anticyclonic movement over all the more western countries, light Northerly winds in Russia, and rather variable airs over the Mediterranean. Very little change later in day.

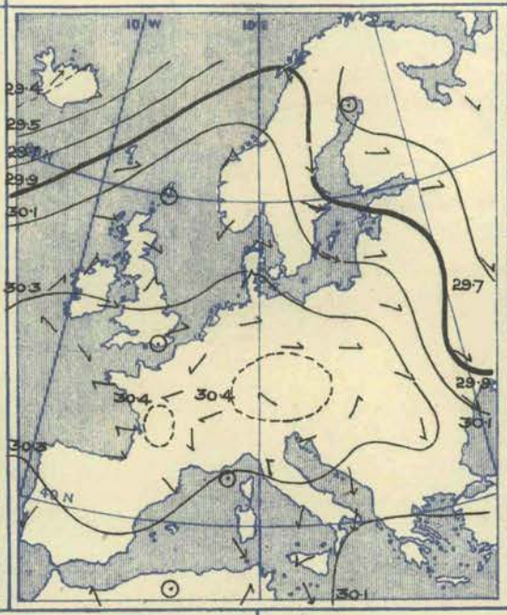
Barometer in morning above 30·5 ins. in an anticyclone having its central part over Belgium and the north-east of France. Below 29·2 ins. in the north east of Russia, and relatively low both in the south-east of our area and over Iceland. High pressure system decreasing somewhat in intensity during day and extending rather more to the eastward. Barometer rising briskly in the north-east of Russia and falling briskly in the north of Norway. An ill-defined and shallow secondary disturbance appearing over the north-west of these Islands.

Saturday, 2nd March, 1907.

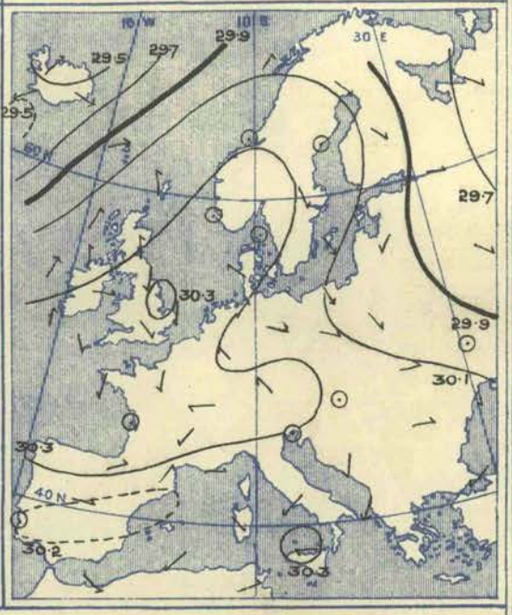
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of France and southern Europe; cloudy or overcast as a whole, with rain at Constantinople, in the north of England, and at Malin Head, and snow at Hermanstadt and Helsingfors. Fog or mist very prevalent over Great Britain and the eastern and southern shores of the North Sea, and also at some places in central Europe. Atmosphere continuing thick throughout the day in some parts of our Islands and the adjacent parts of the Continent, but weather fair or fine generally.

Temperature changed little and rather irregularly. Readings in morning below the freezing point at nearly all places beyond latitude 20° E. as well as in the inland parts of France; lowest value, 11° at St. Petersburg. Above 40° in many parts of these Islands and at most stations in the Mediterranean region, and above 50° in the extreme south and south-west of our area. Thermometer rising to 60° later at some of the most southern stations, and to above 50° in most parts of France and at some of our own stations, but remaining below 32° or only slightly exceeding that point in several districts of central Europe.

Wind in morning light and mainly anticyclonic over all the central and western portion of our area. Moderate or fresh from the South-Westward in Iceland, light from between North and West over Russia, and fresh from the Northward at Brindisi and Malta. Very little change later.

Barometer in morning 30·3 ins. to above 30·4 ins. in a large anticyclone with two or three maxima extending from the Atlantic to Transylvania and the south of Poland. Below 29·7 ins. in the north-east of Russia, and below 29·4 ins. in the north-west of Iceland. Little change during day in the general distribution, but anticyclone decreasing somewhat in intensity. A small and very shallow depression lying over the north-east of England at 6 p.m.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.											
February 24th, 11.0 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature F.		35·5°	28°						One light-winged kite, 58 sq. ft. Convection currents. During the ascent the wind on the sea was WSW, but this direction did not reach inland till 1 p.m.
		Humidity		60%	80%						
		Wind Velocity, m. per hr.		NW by W, —	NW by N, 23						
February 25th, 10.15 a.m. to 12.24 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		46°	42°	[38°]					One kite, 77 sq. ft. 3,800 ft. wire. Max. height, 3,000 ft. Cloud level, 1,400 ft. No change of temperature above 2,000 ft. Dull overcast day.
		Humidity		85%	100%	[100%]					
		Wind Velocity, m. per hr.		NW, —	NW by N, 25	[NW by N, 25]					
February 25th, 4.45 p.m. to 4.50 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—						Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Sky overcast. Cloud level about 2,000 ft.
		Humidity		—	—						
		Wind Velocity, m. per hr.		NE, 5	N by E, 7						
February 26th, 4.53 p.m. to 4.55 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—							Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Sky overcast. Cloud level about 1,100 ft.
		Humidity		—							
		Wind Velocity, m. per hr.		NW by N ½ N, 8							
February 27th, Noon to 12.12 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—	—	—					Pilot balloon. Uniform ascensional velocity of 300 ft. per minute assumed. Wind backing just above ground, then veering slightly to NE ½ E at 2,800 ft., then backing to NE. Velocity increasing to nearly 20 miles per hour at 2,300 ft., decreasing to 10 just below cloud level. Strato cumulus at about 4,000 ft.
		Humidity		—	—	—					
		Wind Velocity, m. per hr.		NE by E, 6	NE by N, 13	NE, 16					

63, Victoria Street, London, S.W. *March 6th, 1907.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 10. TENTH WEEK, ENDING SATURDAY, MARCH 9TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—At the beginning of the week the weather was mostly fair and dry, but with a good deal of fog on the English and Welsh coasts. After Monday the conditions gradually became unsettled, with frequent, but mostly light, falls of rain. At the end of the week, however, heavy rain was experienced at some stations in the north of Ireland and the north-west of England, and considerable quantities of snow in Scotland and the north and north-east of England.

Temperature exceeded the normal in Ireland. Over England and Scotland it differed little from the average, but it was in defect in England N.E. and S.W. The highest of the maxima were registered on rather irregular dates. In Ireland S. and England N.W. the thermometer rose to 58° and in Scotland N. to 57°, while elsewhere the readings ranged from 56° in the Midland Counties to 53° in England S. and S.W. and the English Channel. The lowest of the minima, which were recorded about the middle of the week in most parts of England and Ireland, and on Saturday in Scotland, ranged from 20° in the Midland Counties and England S.W. (at Nottingham and Llangammarch Wells) and 21° in England E. (at Cambridge) to 30° or 31° in Ireland, and to 33° in the English Channel.

Mean Temperature of the Sea was rather higher than during the preceding week on almost all parts of the coast, the rise amounting, in several instances, to about one degree. The values ranged from 47° at Ballyglass and about 46° at Newquay and off the S.W. coast of Ireland to 44° on the west coast of Scotland, about 39° on the north-east coast of England and at Eastbourne, and to 38° at Shipwash Lightship.

Rainfall was considerably in excess of the average in Scotland W. and N., England N.W. and Ireland N., but was either in close agreement with the normal or below it elsewhere.

Bright Sunshine was in excess over the greater part of the Kingdom, the percentage of the possible duration ranging from 44 in England E., 43 in the English Channel, and 42 in England S. to 28 in Ireland S., and to 25 in Scotland N. and the Midland Counties.

Barometer and Wind.—At the commencement of the week the distribution of pressure was anticyclonic and the winds mainly Easterly in the south, and Southerly or South-Westerly in the west and north. The high pressure system, however, soon moved on to the Continent, and depressions spreading over these Islands from the Atlantic caused the wind to shift to S. and S.W. or W. very generally, and to increase considerably in force in the west and north. By the end of the week the development of a small baric minimum in the north-west resulted in a complete cyclonic circulation of wind over our more northern and north western districts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 76.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Unusual	Unusual	Moderate
	Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Light	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 1 week from Mar. 3rd, 1907.	Warmth ...	0*0	0*0	0*1	0*0	0*0	0*0	0*0	0*0	0*1	1*0	1*0	0*0
	Rainfall ...	1*0	0*0	0*0	0*0	0*0	0*0	1*0	1*0	0*0	1*0	0*1	0*0
	Sunshine ...	0*0	0*0	1*0	1*0	0*0	1*0	0*0	1*0	0*0	0*0	0*0	0*0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (10th)—March 3rd to 9th, 1907.

DISTRICTS. (See p. 75.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	23	44·8	33·9	39·2	+ 1·0	8	0	29	- 5	6	+ 1	1·95	+1·01	19	0	25	0
Eastern																		
1. SCOTLAND, EAST	55	24	46·4	33·0	39·5	+ 1·0	12	+ 1	33	- 3	4	0	0·57	+0·09	25	+ 3	32	+ 4
2. ENGLAND, N.E.	55	26	45·8	32·1	38·7	- 0·8	11	- 3	36	+ 5	5	+ 1	0·43	+0·01	29	+ 7	37	+ 9
3. ENGLAND, EAST	54	21	46·3	32·8	39·4	- 0·2	12	- 5	34	+ 1	4	+ 1	0·41	+0·06	34	+ 10	44	+13
4. MIDLAND COUNTIES	56	20	46·9	32·0	39·3	- 0·4	14	- 4	37	+ 4	4	+ 1	0·35	-0·07	20	- 1	25	- 2
5. ENGLAND, SOUTH	53	22	47·3	34·1	40·5	- 0·3	15	- 4	30	+ 4	4	+ 1	0·33	-0·12	33	+ 9	42	+12
Western																		
6. SCOTLAND, WEST	55	28	46·9	35·9	41·3	+ 1·3	14	+ 2	24	- 3	6	+ 2	1·40	+0·56	23	+ 2	31	+ 3
7. ENGLAND, N.W.	58	27	47·6	34·7	40·9	+ 0·8	16	+ 3	28	+ 2	5	+ 1	1·02	+0·46	28	+ 7	36	+ 9
8. ENGLAND, S.W.	53	20	47·9	34·4	41·0	- 0·5	17	- 3	30	+ 8	5	+ 1	0·40	-0·27	25	- 1	32	- 1
9. IRELAND, NORTH	55	31	49·3	38·0	43·5	+ 2·6	27	+ 10	11	- 13	6	+ 2	1·16	+0·55	23	+ 3	30	+ 4
10. IRELAND, SOUTH	58	30	51·2	39·8	45·3	+ 2·7	32	+ 9	6	- 13	6	+ 2	0·37	-0·32	22	- 3	28	- 3
11. CHANNEL ISLANDS	53	33	49·8	40·3	44·9	+ 0·7	27	+ 2	5	- 4	3	- 1	0·30	-0·28	34	+ 4	43	+ 5

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 1 Week, March 3rd to March 9th, 1907.

0. SCOTLAND, NORTH	57	23	*	*	*	*	8	0	29	- 5	6	+ 1	1·95	+1·01	19	0	25	0
Eastern																		
1. SCOTLAND, EAST	55	24	*	*	*	*	12	+ 1	33	- 3	4	0	0·57	+0·09	25	+ 3	32	+ 4
2. ENGLAND, N.E.	55	26	*	*	*	*	11	- 3	36	+ 5	5	+ 1	0·43	+0·01	29	+ 7	37	+ 9
3. ENGLAND, EAST	54	21	*	*	*	*	12	- 5	34	+ 1	4	+ 1	0·41	+0·06	34	+ 10	44	+13
4. MIDLAND COUNTIES	56	20	*	*	*	*	14	- 4	37	+ 4	4	+ 1	0·35	-0·07	20	- 1	25	- 2
5. ENGLAND, SOUTH	53	22	*	*	*	*	15	- 4	30	+ 4	4	+ 1	0·33	-0·12	33	+ 9	42	+12
Western																		
6. SCOTLAND, WEST	55	28	*	*	*	*	14	+ 2	24	- 3	6	+ 2	1·40	+0·56	23	+ 2	31	+ 3
7. ENGLAND, N.W.	58	27	*	*	*	*	16	+ 3	28	+ 2	5	+ 1	1·02	+0·46	28	+ 7	36	+ 9
8. ENGLAND, SW.	53	20	*	*	*	*	17	- 3	30	+ 8	5	+ 1	0·40	-0·27	25	- 1	32	- 1
9. IRELAND, NORTH	55	31	*	*	*	*	27	+ 10	11	- 13	6	+ 2	1·16	+0·55	23	+ 3	30	+ 4
10. IRELAND, SOUTH	58	30	*	*	*	*	32	+ 9	6	- 13	6	+ 2	0·37	-0·32	22	- 3	28	- 3
11. CHANNEL ISLANDS	53	33	*	*	*	*	27	+ 2	5	- 4	3	- 1	0·30	-0·28	34	+ 4	43	+ 5

THE YEAR.—Aggregates, &c., for the period of 10 Weeks, December 30th, 1906, to March 9th, 1907.

0. SCOTLAND, NORTH	57	8	*	*	*	*	61	- 7	364	+ 14	54	+ 3	14·03	+3·10	111	+ 1	19	0
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	80	- 3	414	+ 21	34	- 5	4·01	-1·23	186	+ 42	31	+ 7
2. ENGLAND, N.E.	58	15	*	*	*	*	86	- 8	378	+ 46	33	- 4	2·71	-1·10	208	+ 71	33	+11
3. ENGLAND, EAST	57	10	*	*	*	*	58	- 49	413	+ 41	31	- 6	3·05	-0·75	188	+ 24	29	+ 4
4. MIDLAND COUNTIES	57	10	*	*	*	*	80	- 42	414	+ 45	28	- 8	2·79	-1·78	174	+ 33	27	+ 5
5. ENGLAND, SOUTH	55	16	*	*	*	*	88	- 49	354	+ 69	26	- 9	3·05	-1·85	193	+ 35	30	+ 5
Western																		
6. SCOTLAND, WEST	56	16	*	*	*	*	89	- 14	288	+ 12	44	0	9·09	-0·76	140	+ 13	23	+ 2
7. ENGLAND, N.W.	58	15	*	*	*	*	76	- 31	318	+ 41	39	- 1	5·22	-1·00	174	+ 42	28	+ 7
8. ENGLAND, S.W.	54	5	*	*	*	*	97	- 74	318	+ 97	40	0	5·11	-2·59	181	+ 12	28	+ 2
9. IRELAND, NORTH	55	16	*	*	*	*	120	- 22	219	- 22	49	+ 3	6·27	-0·89	140	+ 1	22	0
10. IRELAND, SOUTH	59	11	*	*	*	*	189	- 20	197	+ 13	42	0	4·14	-4·12	148	- 12	23	- 2
11. ENGLISH CHANNEL	53	21	*	*	*	*	190	- 54	95	+ 7	37	- 8	3·90	-2·59	193	- 4	29	- 1

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

March 3-9, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
					Mean for the Week.				Accumulated Heat for the Week (in Day-degrees).							
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Above 42°	Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	47	23	41·0	35·0	37·9	- 0·5	0	29	7	0·98	+ 0·28	27·1	+ 7·1	36	+ 9
		Stornoway	51	26	46·6	33·9	40·1	+ 0·7	13	31	7	1·46	+ 0·55	16·0	- 4·6	21	- 6
	Mainland.	Wick	49	26	42·7	33·7	38·1	- 0·7	2	29	5	0·76	+ 0·26	*	*	*	*
		†Lairg (Strathpeffer) ..	57	25	45·6	31·9	38·6	+ 1·9	10	37	6	1·12	+ 0·39	18·4	- 0·3	24	0
		Glencarron	56	27	45·1	33·8	39·3	+ 1·7	9	30	7	4·08	+ 2·30	*	*	*	*
		Fort Augustus	52	24	46·3	33·8	39·9	+ 0·9	12	31	6	1·80	+ 0·91	13·7	- 1·4	18	- 2
		Fort William	51	30	46·2	35·4	40·6	+ 0·8	12	25	6	3·43	+ 1·85	*	*	*	*
1. SCOTLAND, E.		Nairn	55	28	46·1	32·7	39·2	+ 0·3	11	34	6	0·49	+ 0·09	22·3	—	29	—
		Aberdeen	53	28	45·6	36·0	40·7	+ 1·4	10	23	4	0·31	- 0·23	29·5	+ 5·7	39	+ 8
		†Balmoral (Crathes) ..	50	25	44·0	32·1	37·9	+ 2·4	6	35	5	0·54	- 0·09	26·6	—	35	—
		†Clathick (Balruddery) ..	55	27	49·2	32·6	40·7	+ 1·5	20	37	4	1·11	+ 0·40	23·9	—	31	—
		†Leith (Edinburgh)	54	29	47·9	34·4	41·0	+ 0·3	17	30	3	0·39	+ 0·04	26·1	+ 7·4	34	+ 10
		Marchmont	49	24	45·6	30·3	37·7	- 0·7	10	42	3	0·60	+ 0·05	19·1	- 2·7	25	- 4
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	52	27	47·3	32·0	39·4	0·0	15	37	5	0·63	+ 0·09	31·6	—	41	—
		†Shields (Newcastle)	55	26	46·7	31·6	38·9	- 1·3	13	38	4	0·39	+ 0·01	25·6	+ 8·2	33	+ 11
		Durham	52	28	45·6	30·9	38·0	- 1·2	10	40	4	0·35	- 0·05	27·5	+ 5·1	36	+ 7
		Scarborough	52	31	46·0	34·2	39·9	- 0·6	11	29	6	0·55	+ 0·13	29·0	—	38	—
		York	54	28	45·2	31·8	38·3	- 2·1	9	37	5	0·40	+ 0·01	21·4	+ 1·4	28	+ 2
	Southern part.	Spurn Head	47	32	43·0	34·0	38·4	- 1·8	3	28	4	0·30	0·00	*	*	*	*
		†Lincoln (Skegness)	50	28	46·0	31·1	38·3	- 2·3	11	39	6	0·40	+ 0·05	35·4	—	46	—
		†Fulbeck (Rauceby)	50	28	46·2	31·5	38·6	- 1·5	12	38	5	0·40	+ 0·04	27·7	—	36	—
3. ENGLAND, E	Northern part.	Hillington	49	27	46·9	30·8	38·6	- 1·6	14	41	5	0·58	+ 0·18	33·4	+ 10·4	43	+ 14
		†Yarmouth (Lowestoft) ..	47	32	43·0	34·0	38·4	- 1·2	3	28	5	0·60	+ 0·24	39·9	—	51	—
		Geldeston	50	22	46·1	31·0	38·3	- 2·2	11	40	6	0·56	+ 0·22	37·4	+ 12·4	38	+ 6
		(Cromer)												45·0	—	58	—
	Southern part.	Cambridge	49	21	47·5	31·7	39·4	- 1·4	15	39	3	0·28	- 0·04	27·1	+ 2·5	35	+ 3
		Felixstowe	52	29	44·3	32·6	38·3	- 2·6	6	33	3	0·34	—	37·7	—	48	—
		Clacton-on-Sea	51	32	45·6	34·9	40·1	- 1·1	10	26	3	0·33	—	39·1	—	50	—
		Rothamsted	52	24	48·3	31·0	39·4	- 0·5	18	41	3	0·39	- 0·04	33·2	+ 10·2	43	+ 13
		†Shoeburyness (Southend) ..	54	26	47·1	34·0	40·4	- 1·0	14	31	3	0·34	+ 0·07	30·0	—	39	—
		London, Westminster ..	51	31	48·3	34·9	41·4	- 0·4	18	28	4	0·29	- 0·07	22·0	+ 8·8	28	+ 11
		(Dunmow)												33·7	—	43	—
4. MIDLAND COUNTIES.		Harrogate	53	28	44·9	32·1	38·3	- 0·7	8	35	3	0·50	+ 0·01	18·4	—	24	—
		†Bawtry (Worksop)	50	26	48·0	31·0	39·3	- 1·2	17	41	5	0·36	0·00	19·4	- 0·6	25	- 1
	Eastern part.	Nottingham	52	20	47·3	30·9	38·9	- 1·5	15	41	5	0·34	0·02	15·7	—	20	—
		Colly Weston	50	27	47·6	32·0	39·6	- 0·9	16	38	3	0·11	- 0·25	*	*	*	*
		Birmingham, Edgbaston ..	49	29	44·6	33·6	38·9	- 1·4	7	30	3	0·45	+ 0·06	10·0	—	13	—
		Oxford	53	25	48·3	32·6	40·2	- 0·9	18	36	4	0·39	+ 0·02	21·5	- 1·0	28	- 1
	Western part.	†Cheadle (Sheffield) ..	49	29	42·5	32·6	37·4	- 1·9	1	32	5	0·80	+ 0·28	19·9	—	26	—
		Shrewsbury	56	25	47·9	32·8	40·1	- 1·4	17	35	5	0·31	—	*	*	*	*
		Hereford	53	26	48·8	32·1	40·2	- 1·1	19	38	5	0·19	- 0·23	*	*	*	*
		Cirencester	53	22	47·4	30·8	38·9	- 1·1	15	42	5	0·28	- 0·18	26·6	+ 3·2	34	+ 4
		Bath	52	25	49·1	32·0	40·3	- 1·5	20	38	3	0·11	- 0·38	26·7	—	34	—
		(Margate)												36·7	+ 12·7	47	+ 16
5. ENGLAND, S.		Kew	49	29	47·4	34·6	40·8	- 0·5	15	28	4	0·33	- 0·03	25·0	+ 4·3	32	+ 6
		Wisley, Surrey	53	25	48·3	32·4	40·1	- 0·7	18	36	3	0·31	—	24·9	—	32	—
		†Swarratou (Ventnor) ..	50	22	47·3	30·5	38·7	- 1·5	15	43	5	0·43	- 0·10	34·7	+ 6·2	45	+ 8
		Tunbridge Wells ..	51	26	46·8	33·1	39·8	- 0·7	13	33	4	0·40	- 0·07	33·7	+ 15·2	50	+ 20
		†Dungeness (Littlestone) ..	50	30	45·6	34·0	39·6	- 1·5	10	29	4	0·42	+ 0·10	36·3	—	47	—
		Hastings	49	33	46·2	35·2	40·5	- 1·0	12	25	3	0·33	- 0·13	40·0	+ 13·0	51	+ 17
		Southampton	53	26	50·0	34·7	42·1	- 0·5	31	20	4	0·30	- 0·21	32·6	+ 7·6	42	+ 10
		†Portland Bill (Worthing) ..	49	33	46·6	38·1	42·2	- 0·8	18	11	4	0·08	—	37·6	—	48	—
		(Eastbourne)												34·4	+ 8·1	44	+ 10
6. SCOTLAND, W.		†Laudale (Oban)	53	31	46·3	36·5	41·3	+ 0·5	12	22	7	2·47	+ 0·91	15·9	—	21	—
		Glasgow	50	30	45·7	35·6	40·5	+ 0·7	10	24	6	1·11	+ 0·47	21·2	+ 5·2	28	+ 7
		Dumfries	52	29	48·6	35·8	42·0	+ 1·8	18	17	7	0·84	+ 0·07	*	*	*	*
		Cally	55	28	47·0	34·8	40·7	+ 0·8	14	27	6	1·25	+ 0·39	*	*	*	*
		Douglas, Isle of Man	50	34	47·1	36·9	41·9	+ 0·5	14	21	6	1·34	+ 0·67	33·2	+ 7·9	43	+ 10
7. ENGLAND, N.W.		Aspatria	52	29	46·8	33·7	40·1	+ 0·6	13	31	6	1·17	+ 0·57	33·8	—	44	—
		Newton Rigg	50	30	46·4	32·7	39·4	+ 1·0	12	35	4	0·80	+ 0·16	31·2	+ 9·8	41	+ 13
		Stonyhurst	51	27	44·1	31·8	37·8	- 1·7	6	36	6	1·84	+ 1·06	20·9	+ 0·4	27	+ 1
		Blackpool	49	31	45·6	35·3	40·3	- 0·2	10	25	5	0·95	+ 0·43	31·9	+ 10·9	41	+ 14
		Manchester, Prestwich ..	52	28	46·1	31·7	38·7	- 1·3	11	38	5	1·28	+ 0·72	16·5	+ 0·9	21	+ 1
		†Liverpool Obs. (Hoylake) ..	54	29	46·6	34·9	40·6	- 0·7	13	27	4	0·89	+ 0·48	27·7	—	36	—
		†Hawarden Bridge (Southport)	58	30	50·1	34·7	42·2	+ 0·3	32	20	5	0·76	+ 0·44	26·2	+ 4·2	34	+ 5
	NORTH WALES	Llandudno	55	36	51·2	38·0	44·4	+ 1·7	34	11	3	0·75	+ 0·28	32·5	+ 9·9	42	+ 13
		†Holyhead (Aberdovey) ..	49	37	48·0	39·0	43·4	+ 1·0	22	8	5	0·86	+ 0·31	28·7	—	37	—
		Bettws-y-Coed	54	28	50·6	34·9	42·5	+ 0·3	33	20	5	0·85	—	26·4	—	34	—
8.	SOUTH WALES	Llangammarch Wells	51	20	46·8	27·2	36·7	- 3·9	13	53	5	0·62	—	16·0	—	21	—
		Pembroke	49	36	47·3	38·9	43·0	+ 0·3	20	9	4	0·24	- 0·31	22·8	- 2·7	29	- 4
		†Cardiff (Aberystwyth)	51	25	47·6	32·1	39·6	- 2·6	16	37	5	0·43	- 0·26	28·8	—	37	—
	ENGLAND, S W	†Clifton (Torquay)	51	29	48·0	34·3	41·0	- 0·5	17	30	5	0·19	- 0·36	28·2	+ 1·0	56	+ 1
		†Shaftesbury (Marlborough)	50	28	46·3	33·9	39·9	+ 0·1	12	30	5	0·39	- 0·14	27·7	+ 7·3	36	+ 9
		†Arlington (Newquay)	51	27	47·0	33·1	39·8	- 1·0	14	33	4	0·70	- 0·19	32·1	+ 5·3	41	+ 7
		Cullompton	52	25	49·3	32·9	40·9	- 1·7	20	36	5	0·25	- 0·35	23·8	+ 0·4	31	+ 1
		Plymouth	53	30	49·6	37·3	43·3	- 0·3	29	13	4	0·36	- 0·25	27·5	+ 1·4	35	+ 2
		Falmouth	52	35	49·2	39·8	44·4	+ 0·5	26	6	4	0·45	- 0·34	25·6	- 1·8	33	- 2
9. IRELAND, N.	Western part.	Malin Head	50	33	47·3	38·7	42·9	+ 0·9	20	9	6	1·25	+ 0·76	*	*	*	*
		Edenfel	52	31	48·6	36·4	42·3	+ 1·5	26	16	6	1·54	+ 0·91	*	*	*	*
		Blacksod Point	52	38	49·7	40·7	45·1	+ 1·9	27	4	7	0·99	+ 0·11	*	*	*	*
		Markree Castle	55	31	49·9	38·6	44·1	+ 2·8	29	10	7	1·05	+ 0·35	19·7	- 1·2	26	- 2
	Eastern part.	Armagh	53	33	50·2	37·5	43·7	+ 2·9	31	13	5	1·06	+ 0·56	26·7	+ 6·2	35	+ 8
		Donaghadee	55	31	49·9	36·0	42·7	+ 1·0	30	17	5	1·07	+ 0·59	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	58	35	51·8	39·3	45·4	+ 2·3	35	8	6	0·37	- 0·09	27·7	+ 3·2	36	+ 4
		Kilkenny	57	30	51·1	36·7	43·7	+ 1·3	34	15	6	0·24	- 0·31	*	*	*	*
		Waterford	55	35	51·3	40·3	45·6	+ 3·0	32	5	5	0·24	- 0·46	*	*	*	*
	Western part.	Birr Castle	55	31	50·3	36·0	43·1	+ 1·6	33	17	6	0·60	+ 0·05	26·9	+ 4·8	35	+ 6
		Foynes	54	34	50·6	40·7	45·5	+ 2·5	30	4	6	0·43	- 0·23	*	*	*	*
		Killarney	56	33	52·4	41·4	46·7	+ 2·6	35	2	6	0·33	- 0·79	*	*	*	*
		Valencia	54	38	51·0	43·3	47·0	+ 1·8	35	0	7	0·47	- 0·57	13·8	- 10·7	18	- 14
		†Roches Point (Ballinacurra) ..	55	36	50·7	40·4	45·4	+ 1·2	31	4	7	0·27	- 0·53	17·9	—	23	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	53	42	51·4	42·9	47·0	+ 1·3	35	0	4	0·41	- 0·16	28·6	+ 0·6	37	+ 1
		†Jersey, St. Aubins (St. Heliers)	52	33	49·1	38·7	43·8	- 0·5	26	9	4	0·27	- 0·28	37·1	+ 7·4	48	+ 10
		Guernsey	52	34	48·9	39·3	44·0	- 0·6	25	8	2	0·22	- 0·36	35·2	+ 6·0	45	+ 8

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 39·2 hrs., 50 %; Brighton, 36·8 hrs. (+10·4), 47 % (+ 13 %); Bournemouth, 30·4 hrs., 39 %; Bognor, 37·3 hrs., 48 %; Rhyl, 34·5 hrs., 45 %; Tenby, 19·6 hrs. (- 8·0), 25 % (- 10 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	38·9
	Crathes	4	19	37·3	37·4
	Balmoral	5	21	—	—
	Marchmont ..	—	—	37·1	—
2.	Cockle Park	5	23	37·2	39·0
	York	—	—	37·4	39·9
	Hull	5	22	37·3	40·0
	Lincoln	—	—	36·7	39·0
3.	Lowestoft	—	—	38·4	40·4
	Cambridge	6	18	38·7	41·2
	Dunmow	5	19	—	—
	Clacton-on-Sea ..	3	20	40·0	42·2
4.	Harrogate	4	21	38·4	39·2
	Sheffield	4	25	37·4	39·2
	— — ..				
	Birmingham	4	21	39·5	42·7
	Nottingham	4	22	36·5	38·0
	— — ..				
5.	Kew	5	19	39·0	42·0
	Canterbury	5	19	39·0	42·3
	Portsmouth	4	17	40·9	43·5
	Wisley	—	—	39·4	41·7
6.	— — ..				
	Glasgow	4	23	—	—
	— — ..				
7.	Newton Rigg ..	7	22	38·8	39·4
	Southport	4	21	38·0	39·4
	Manchester City ..	3	29	36·8	40·1
	Bettws-y-Coed ..	2	26	39·6	42·0
	— — ..				
8.	Llangammarch Wells	5	13	38·2	41·6
	Bath	—	—	40·3	43·0
	Plymouth	4	23	41·7	—
	— — ..				
9.	Armagh	1	30	42·1	42·6
	Markree Castle ..	1	25	—	—
10.	Dublin, Trin. Coll. ..	3	22	42·4	43·1
11.	Guernsey, Brooklyn	2	23	43·5	44·6

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	
SCOTLAND, N.	Lerwick	43	42	42·1
	Kirkwall	43	34	41·3
	Wick	42	42	42·0
SCOTLAND, E.	Cromarty	40	35	39·3
	Pennan Bay	41	39	40·2
	Aberdeen, Cove Bay ..	42	40	41·2
ENGLAND, N.E.	Burnmouth, Berwick ..	41	35	39·2
	Scarborough	41	35	39·0
ENGLAND, E.	Shipwash Lightship ..	39	38	38·2
ENGLAND, S.E.	Eastbourne‡	40	39	39·4
SCOTLAND, W.	Lamlash	44	44	44·0
	Ballantrae	45	43	43·8
ENGLAND, N.W.	Port Erin	45	44	43·9
ENGLAND, S.W.	Newquay	47	45	45·8
	Plymouth‡	45	45	45·0
	Salcombe	44	43	44·0
IRELAND, N.W.	Sheephaven	47	44	44·8
	Ballyglass	51	43	47·1
IRELAND, S.W.	Cleggan	47	43	45·9
	Seafield	48	45	46·3
IRELAND, E.	Kingstown‡	42	42	41·8

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

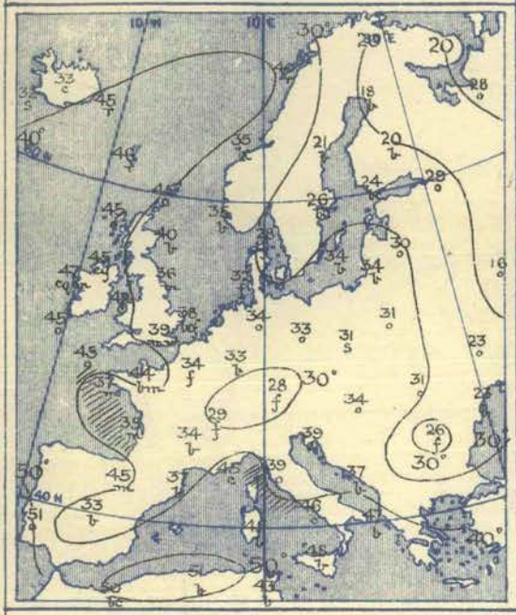
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur for that week only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur for that week once in three years, and **very light** if it is likely to occur for that week only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

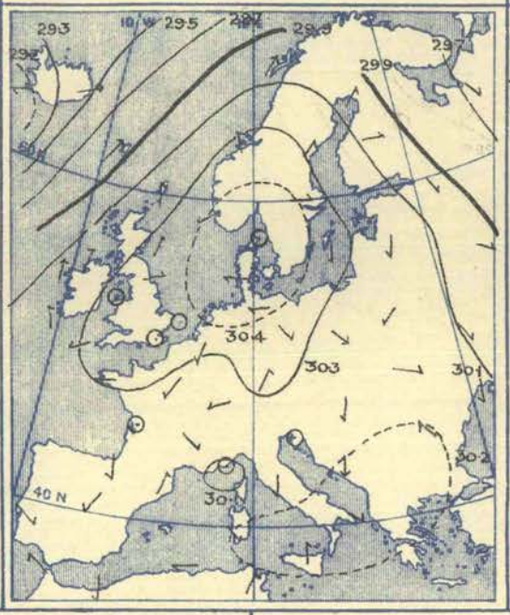
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 3rd March, 1907.

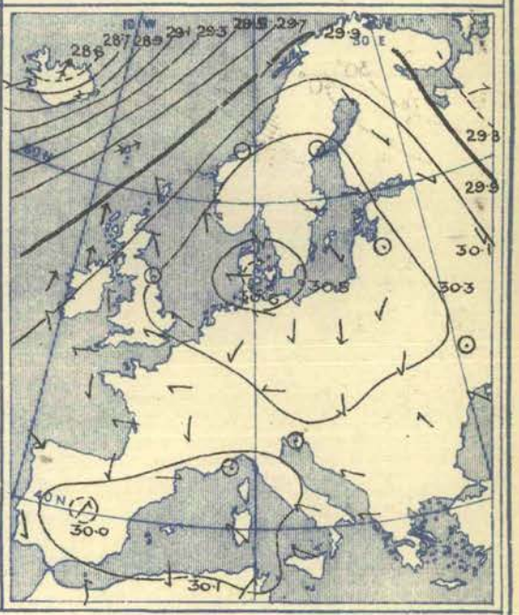
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. foggy or misty in many parts of England, over the North Sea, and the surrounding regions, as well as at Oporto. Fair or fine over our area as a whole, but dull in several parts of central Europe, with snow in places. Rain falling at Bodö and Thorshavn, and rain or snow in Iceland. Fog continuing throughout the day on some parts of our coast, but very little precipitation occurring in any portion of our area.

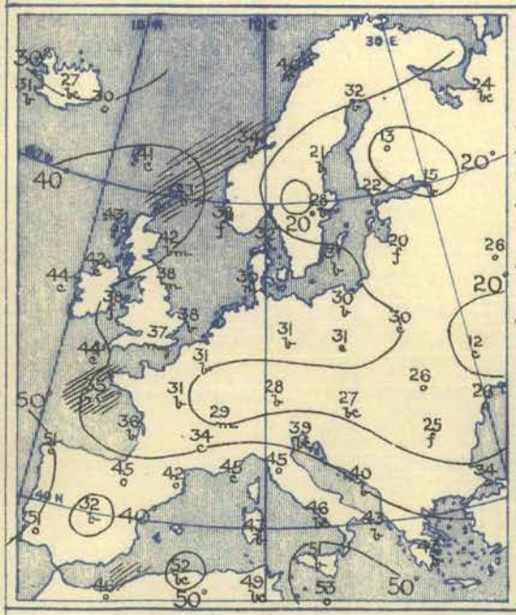
Temperature fallen in most regions. Readings in morning about 50° at some stations in the extreme south and above 45° on our own north-west coasts. Below 32° at some Scottish stations and over the major portion of the Continent; lowest readings, 16° at Moscow and 10° at Kharkoff. Rising to above 50° in some British and Irish localities during day, and touching 60° in the far south of Europe and over Algeria. Thermometer only rising to a little above the freezing point in central Europe, and remaining below it in the north-east.

Wind in morning showing a vast anticyclonic movement around the North Sea and its neighbourhood, light variable breezes over the Mediterranean, and moderate breezes between South-West and South or South-East in Iceland. Strong South-Westerly to Westerly gales setting in over the Icelandic region later, and fresh or strong Southerly winds along our north-west coast.

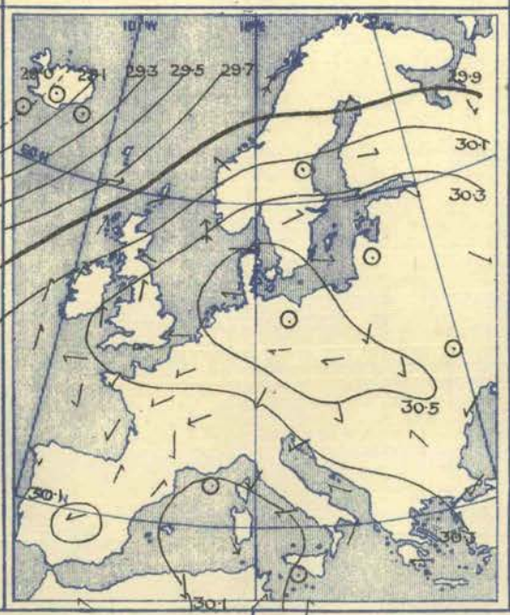
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its centre over Denmark, to below 29·7 ins. in the far north-east of our area, and to below 29·2 ins. in a depression lying to the westward of Iceland. Latter system travelling north-eastwards during day, and barometer falling rather decidedly on our north-west coasts and along the north-west coast of Norway and rapidly in Iceland. High pressure system maintaining its position with slight modification in form.

Monday, 4th March, 1907.

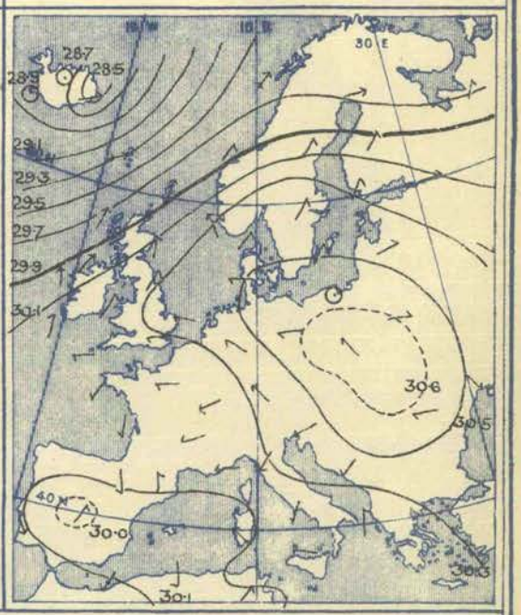
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the major portion of our area, but foggy in some parts of Denmark and the south of Norway, and also in the north-west of England and over the Gulf of Finland. Some rain experienced later at Rome and Malta, as well as at most Irish stations and in the Hebrides and Shetlands. Day very bright in these Islands generally.

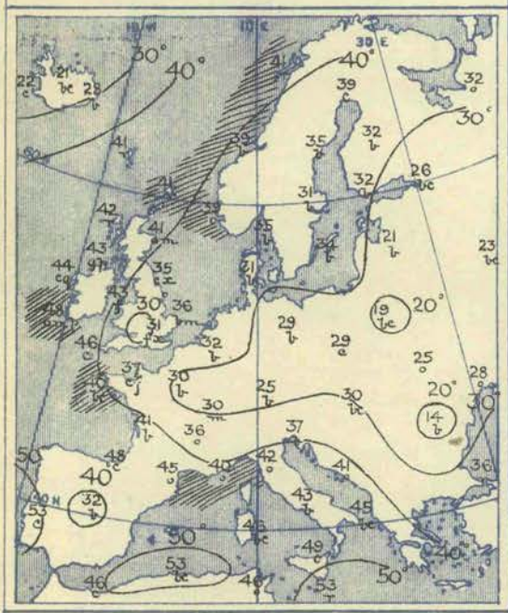
Temperature changed irregularly. Readings in morning above 50° or only slightly below it at many stations in the south of our area, but a little below 32° over large tracts in the central countries, and much below it in the east and north-east of Europe. Lowest values 13° at Kuopio and 12° at Kieff. Maxima during day about 50° in many parts of these Islands and France, and about 60° at a few Mediterranean stations. Thermometer remaining below 40° in some German and Austrian localities, and below 32° at Lemberg.

Wind in morning light and anticyclonic over Europe as a whole, and light cyclonic over the Mediterranean. A South-Westerly current prevailing between Norway and Iceland and blowing a gale on some parts of the Norwegian coast. Wind increasing from the Southward later along our west and north-west coasts and blowing a gale during night in the Hebrides. Wind freshening from the North-Eastward over Italy.

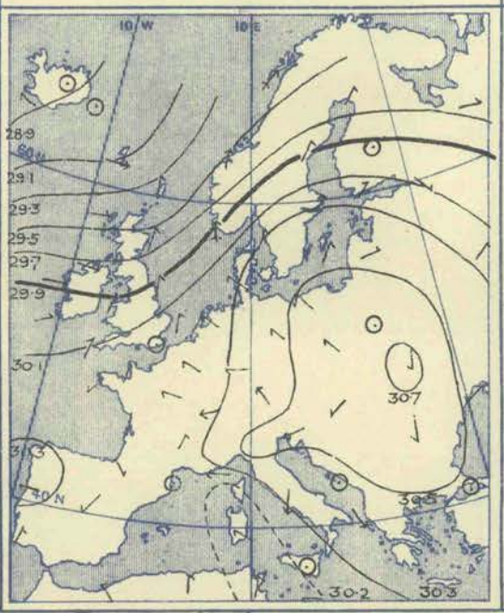
Barometer in morning above 30·5 ins. in the central part of an anticyclone covering Denmark, most of the Baltic, and a considerable portion of central Europe. Below 30·1 ins. in a large shallow depression over the Mediterranean and also in a smaller system over central Spain, and less than 29·0 ins. in a disturbance having its minimum somewhere to the north-westward of Iceland. Anticyclone moving south-eastwards and increasing in intensity during day, and depression in far north-west travelling eastwards; barometer below 28·5 ins. at Seydisfjord by 6 p.m. Gradients very steep between that point and Norway.

Tuesday, 5th March, 1907.

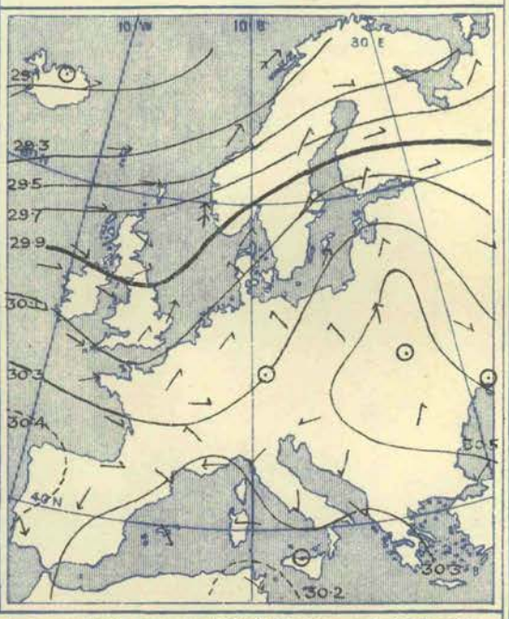
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater portion of our area, including the south and east of England, but a good deal of fog or mist over the midland counties and at some stations in central Europe. Overcast in most parts of Ireland, Scotland, and Norway, with rain or passing showers in several places; rain also falling at Constantinople. Heavy rain experienced later in the west and south of France and in a few Italian localities, as much as 1·7 in. at Cette. Cloudy or dull, but scarcely any rain, over these Islands.

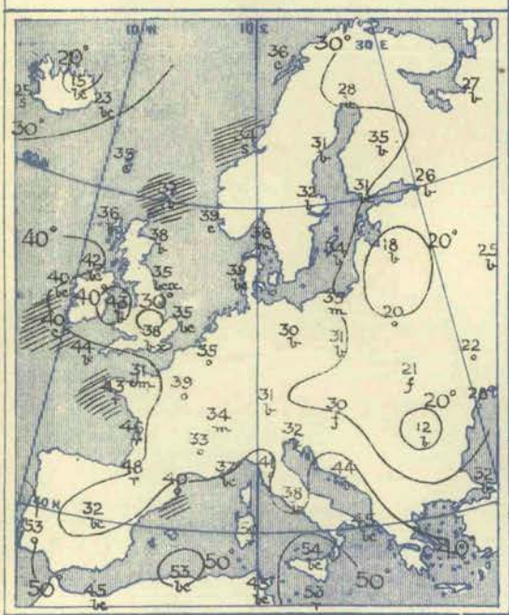
Temperature risen over northern Europe, changed little or fallen elsewhere. Readings in morning below 32° over the inland counties of England and the larger part of the Continent; above 45° on our extreme south-west coasts and above 50° at Lisbon and at several stations on the shores of the Mediterranean. Maxima during day 66° at Algiers, above 60° in some other southern localities, and about 50° at many of our own stations, and at Brussels and Aix-la-Chapelle. Thermometer scarcely exceeding 32° over the centre of Europe.

Wind in morning South-Westerly to Southerly over the United Kingdom and the Scandinavian region; moderate generally, but fresh or strong in places, and blowing a gale at Skudesnaes and Bodö. Light to fresh Northerly to Easterly breezes prevailing over the Mediterranean, and an anticyclonic circulation around Poland and its immediate vicinity. Veering towards West over our Islands later in day, but no general change occurring.

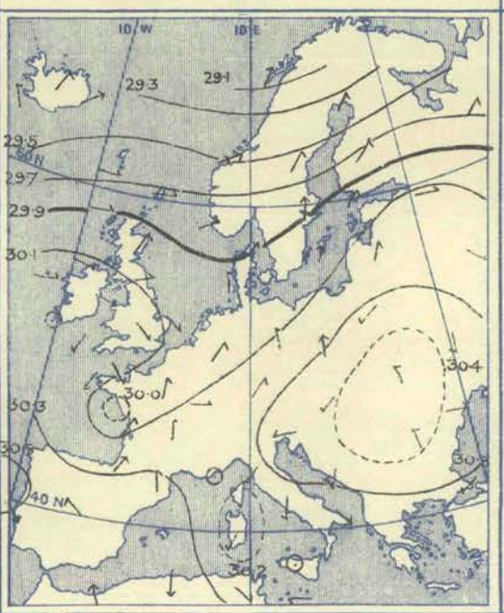
Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone having its maximum near Lemberg, and above 30·3 ins. in another system over the north-west of Spain to below 29·2 ins. in a shallow depression over the Mediterranean, and to less than 28·9 ins. in another disturbance beyond Iceland. A secondary depression passing eastwards over this country during day, but little modification taking place in the general distribution of pressure. Eastern high pressure system giving way somewhat, and that over Spain increasing in intensity.

Wednesday, 6th March, 1907.

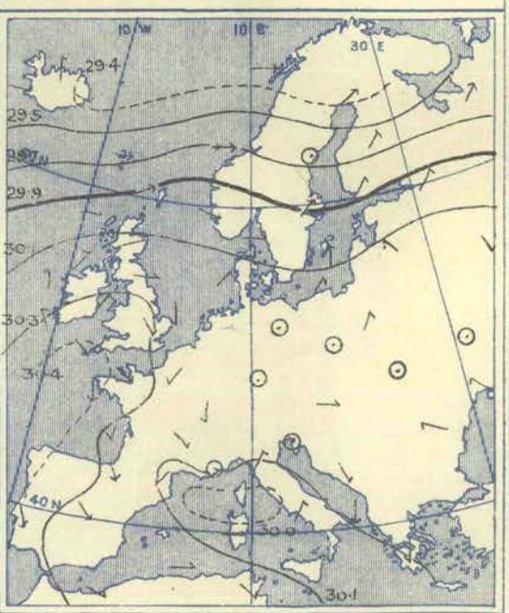
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at nearly all stations in the United Kingdom, central, and northern Europe, but rain falling at Flushing and snow at Christiansund. Less settled in the south; rainy over the western half of France and at some Mediterranean stations. Some rain experienced later in the west and north of these Islands, and larger quantities in France and at some Algerian stations.

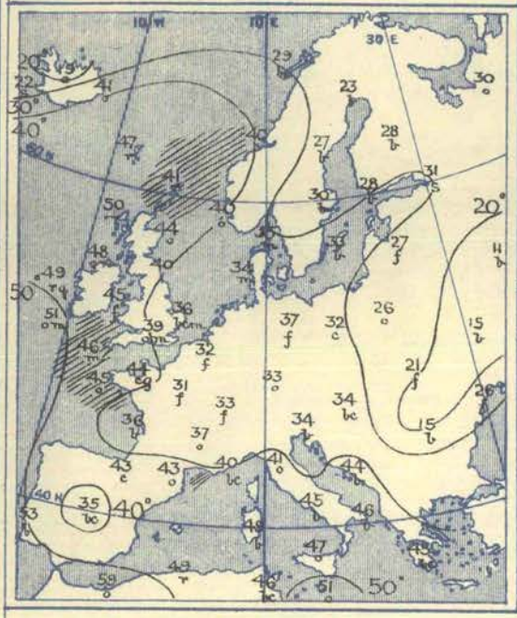
Temperature risen in France, England, and the Netherlands, fallen elsewhere. Readings in morning below 32° in central England and over a large portion of central and northern Europe; lowest reading, 12° at Hermanstadt. Thermometer above 50° at Lisbon and at some stations on the shores of the Mediterranean. Maxima during day about 50° in various parts of these Islands and about 60° in the extreme south of our area.

Wind in morning mainly Westerly to Southerly over the north-western countries, and strong to a gale along the west coast of Norway. A small cyclonic circulation prevailing over the north-west of France, and an extensive anticyclonic movement over the eastern part of our area. Cyclonic circulation becoming transferred to the Mediterranean by evening, but little change occurring as a whole.

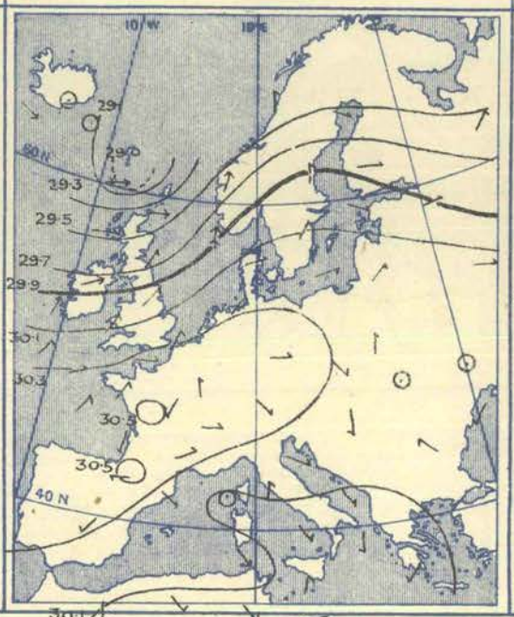
Barometer at 8 a.m. above 30·4 ins. in an anticyclone having its central space over Transylvania and the surrounding regions; below 30·0 ins. in a small minimum near Lorient, and below 29·1 ins. in a very large system over the extreme north of our area. A fresh fall of the barometer setting in during the evening or night at our western stations and extending quickly eastwards. French depression moving away briskly south-eastwards, and that in the far north apparently travelling eastwards. Eastern anticyclone giving way somewhat, but another high pressure system extending over France and the Bay of Biscay from the Atlantic.

Thursday, 7th March, 1907.

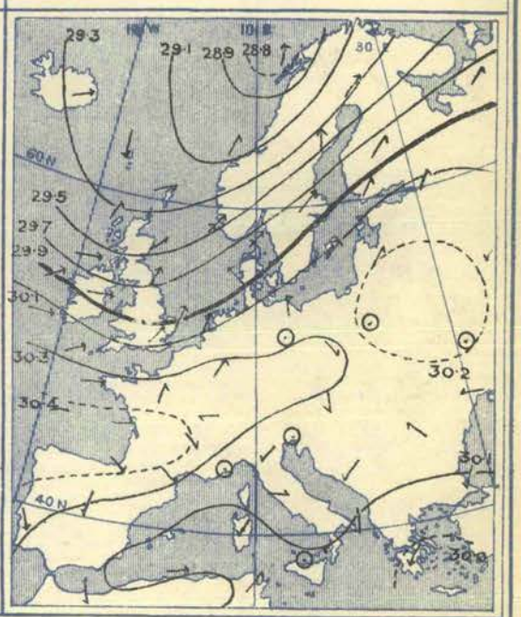
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe, as well as in Finland and Sweden; cloudy or overcast in most other regions, with rain at Algiers, over Ireland, and in the extreme north of our Islands, and snow at St. Petersburg. Foggy over the Netherlands, Germany, and at Holyhead. Rain becoming very general over the United Kingdom later, and heavy amounts falling in Norway.

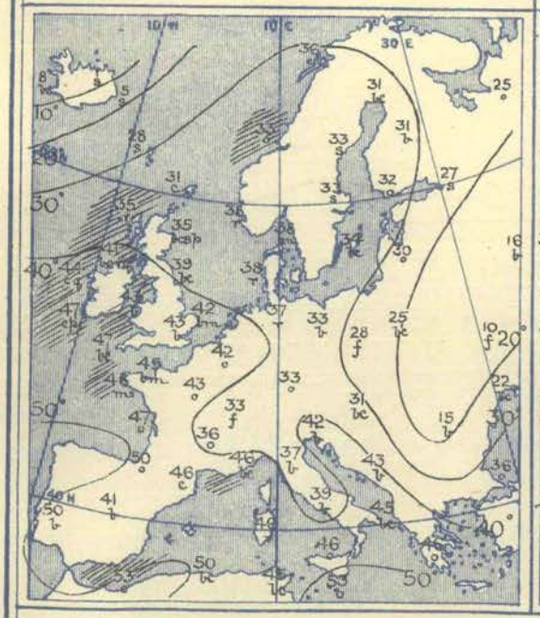
Temperature changed rather irregularly, but risen in nearly all parts of this country. Readings in morning as low as 11° and 15° respectively at Moscow and Hermanstadt, and below 32° over the east and north-east of our area generally; above 50° on the south-west coast of Ireland and at some stations in the far south of Europe, and as high as 60° at Oran. Rising subsequently to some degrees above 50° in various parts of these Islands and Italy, and to above 60° at Lisbon and at some Mediterranean stations. Maximum only 41° at Patras and 50° at Athens.

Wind in morning mainly between West and South over these Islands and their neighbourhood; fresh or strong in many places, and blowing a gale at the Faeroe Isles and Skudesnaes. A light anticyclonic circulation prevailing over France and the central countries. Veering more to the Westward over this country by evening and increasing in force; gale becoming rather general over Scandinavia.

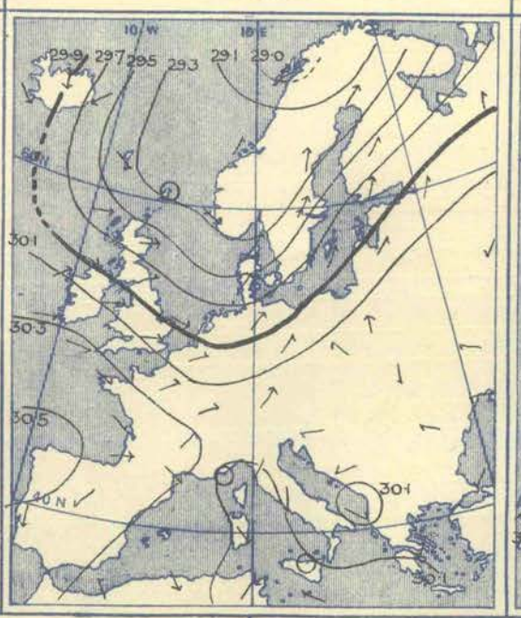
Barometer in morning ranging from 30·4 ins. and upwards in an anticyclone extending from the Bay of Biscay and embracing France and Belgium, to below 30·1 ins. over the major portion of the Mediterranean, and to less than 29·0 ins. in a depression having its centre some distance to the northward of Scotland. Small secondary disturbances passing eastwards over these Islands during day, and main system in the north travelling eastwards or north-eastwards towards Lapland.

Friday, 8th March, 1907.

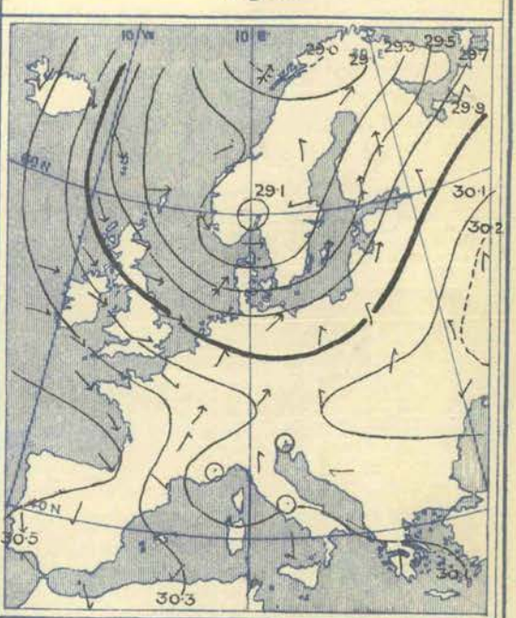
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. unsettled over Ireland and Scotland, with showers of snow in the latter country; fine and bright over most of England and also over the major portion of southern Europe. Overcast, with rain or snow in places, over Scandinavia and Denmark, and snow falling at St. Petersburg. Heavy snow experienced later in the Hebrides and smaller amounts in the north of our Islands generally. Slight rain falling over various parts of England and heavier amounts in the Netherlands and Germany.

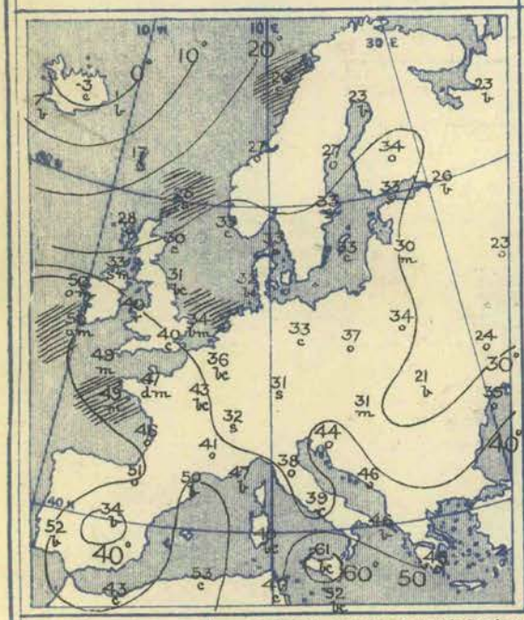
Temperature changed irregularly as a whole, fallen over Ireland and Scotland. Readings in morning only slightly above the freezing point in Scotland and below it over a considerable part of eastern Europe; lowest value, 10° at Kieff. Above 45° on our south-west coasts and in most localities in southern Europe, and above 50° at Lisbon, Oran, and Malta. Maxima during day below 40° in the north of Scotland, but as high as 50° in some parts of England and Ireland, and above 60° at some stations in the south of our area.

Wind in morning strong to a gale from the Northward over Iceland, moderate to fresh or strong from the Westward over the United Kingdom and its immediate vicinity, and strong to a gale from the Southward or South-Westward over the Scandinavian region. Light and rather variable winds prevailing over the Mediterranean. Wind veering somewhat later over our Islands and continuing to blow strongly or freshly.

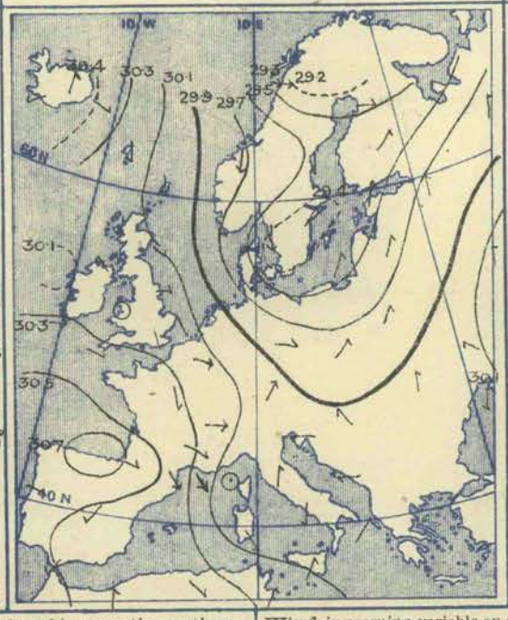
Barometer in morning above 30·5 ins. over the north-west of Spain and relatively high in a band extending thence to the southern half of Russia. Below 29·0 ins. in a large disturbance having its minimum not far from Bodö. Some ill-defined secondaries existing over the south of Norway and near Shetland. Pressure increasing quickly during day over Iceland and briskly over the north and north-west of the United Kingdom. Not much change occurring in the general distribution.

Saturday, 9th March, 1907.

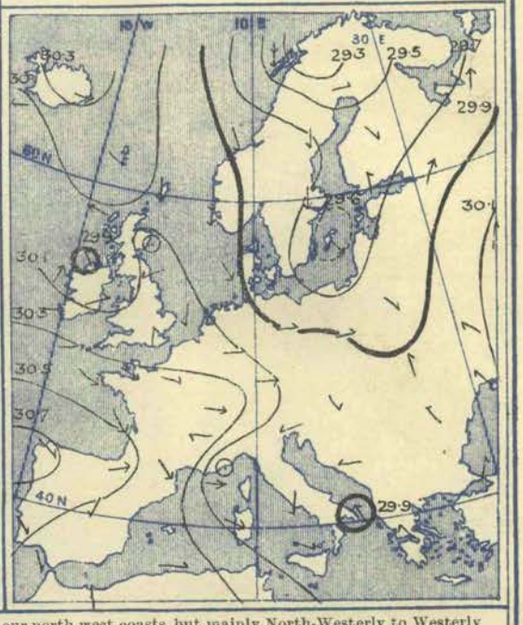
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula and in some other southern regions, but unsettled over our area as a whole, with snow at some of our most northern and north-western stations and in Austria, Denmark, and Scandinavia, and rain at Liverpool, Le Mans, and Rome. Considerable quantities of snow falling later in Scotland and the north of England, and heavy rain in Lancashire and the north of Ireland. More or less precipitation occurring over these Islands generally, and also in many Continental regions. Largest amount, 1·0 in. at Copenhagen.

Temperature fallen as a whole. Readings in morning below the freezing point over Scotland and the north and north-east of the Continent, and below 50° except in the south of Ireland and at some stations in the far south of our area. Highest readings, 53° at Algiers and 61° at Palermo. Maximum during day only 30° at Wick and 34° at Nairn and Aberdeen, but above 50° in many parts of England and Ireland. Thermometer rising to 72° at San Fernando, 70° at Lisbon, to above 60° in Algeria, and to between 55° and 60° in several southern regions.

Wind in morning variable on our north-west coasts, but mainly North-Westerly to Westerly over the United Kingdom and the western countries of the Continent. Fresh over the North Sea and strong to a gale over the Skager Rack and at Bodö. Strong North-Westerly winds prevailing over the Gulf of Genoa, and light and generally Southerly breezes over the east of Europe. A moderate cyclonic circulation setting in later over our north-western districts, and a fresh Northerly gale on the south-west coast of Norway. Gale over the Skager Rack subsiding.

Barometer in morning above 30·6 ins. over the north of Spain and the adjacent portion of the Bay of Biscay, and above 30·4 ins. in Iceland; below 29·2 ins. in a large disturbance over Lapland, and below 29·4 ins. in a secondary system over the south of Scandinavia. Relatively low in a small minimum over the Gulf of Genoa, as well as off our north-west coasts. Barometer falling decidedly in the latter region during day, and a separate depression forming. A fresh decrease of pressure taking place in Iceland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus:—»⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze, ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 + / 3,000	Remarks.
1907.											
March 5th, 11.32 a.m. to 11.39 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.		—							Pilot balloon. Uniform ascensional velocity of 650 ft. per minute assumed. Wind velocity a maximum of 24 miles per hour at 3,500 ft. Wind backing with height to 3,500 ft., then veering.
		Humidity		—							
		Wind Velocity, m. per hr.		SW by S, 10	SW by S ½ S, 18	S by W, 23	[SW, 10]				
March 6th, 10.56 a.m. to 11.5 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.									Pilot balloon. Uniform ascensional velocity of 650 ft. per minute assumed. Wind velocity increasing to a maximum of over 40 miles per hour at 5,500 ft., then decreasing to about 32 at 6,200 ft. Direction changing very little.
		Humidity									
		Wind Velocity, m. per hr.		N by E, 19	N by E ½ E, 27	N by E, 25	N by E, 42				
March 6th, 11.30 a.m. to 12.45 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		52°	45°	36°					One kite, 77 sq. ft.; 3,860 ft. wire. A few cumulus clouds not reached. Wind and humidity very variable. At 3.15 p.m. the wind had backed to N.W. Up to 2,000 ft. the conditions were unchanged, except that the wind was lighter.
		Humidity		70%	65%	85%					
		Wind Velocity, m. per hr.		N by W, 10	N, 25	N by E, 25					
March 7th, 11.0 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature F.		41·7°	32°	[30°]					One kite, 77 sq. ft.; 4,000 ft. wire. Max. height, 2,700 ft. Cloud level, 2,200 ft. Slight rain throughout.
		Humidity		95%	95%	[100%]					
		Wind Velocity, m. per hr.		WSW, 20*	WSW, 30	[WSW, 30]					
March 7th, 12.56 p.m. to 1.48 p.m.	Glossop Moor, 1,100 ft.	Temperature F.		43°	41°	38°	36°	[35°]			One kite, 77 sq. ft.; wire, 7,000 ft. Max. height, 6,200 ft. Overcast. Kite out of sight all the time. At 1.48 p.m. the pull rose above 200 lbs.; the kite broke away and was found undamaged on Allport Moor, 7 miles from station. Average horizontal velocity calculated from time of fall, about 60 miles per hour. Direction, ENE.
		Humidity		98%	100%	100%	100%	[70%]			
		Wind Velocity, m. per hr.		SSW, —	W, 32	WSW, 40	W, 38	[W, 57]			
March 7th, 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		44°	39°						One kite, 60 sq. ft. Raining. Strong and very gusty wind. The wire broke very soon after starting.
		Humidity		90%	100%						
		Wind Velocity, m. per hr.		SSW, 20	SSW, 45						
March 8th, 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.									Wind velocity, 52 miles per hour by shadows (mean of 6 observations). Height of clouds, 4,000 ft.
		Humidity									
		Wind Velocity, m. per hr.				WNW, 52					

* Estimated.

63, Victoria Street, London, S.W. *March 13th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 11. ELEVENTH WEEK, ENDING SATURDAY, MARCH 16TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Considerable intervals of clear sky were experienced in most districts, but the general character of the weather was unsettled, and more or less precipitation was experienced on almost every day. The falls in the north were partly composed of sleet and snow. Aurora was seen at Oban and Laudale on Sunday, at Spurn Head on Monday, and at Stornoway on Tuesday. Lightning was observed at Blackpool on Saturday.

Temperature exceeded the average in Ireland South, and was below it in Scotland N. and E., but over Great Britain as a whole the means were in close agreement with the normal. The highest of the maxima were recorded generally on the 15th, and ranged from 59° in Ireland S. to 54° in Scotland N., Ireland N., England S.W. and the English Channel. The lowest of the minima, which were registered at nearly all stations on the 10th, ranged from 10° in Scotland E. (at Balmoral), and 18° in the Midland Counties (at Cirencester), and Scotland N., to 24° in England N.E., 30° in Ireland N., and to 33° in Ireland S.

Mean Temperature of the Sea.—Except off the south-west of England and in a few isolated localities elsewhere, the water was colder than during the preceding week, the difference amounting in some cases to one degree. The actual values ranged from 37·5° at Cromarty and below 40° on the eastern and north-eastern coasts of Great Britain generally to between 44° and 47° on the south-west coast of England, to 46·8° at Ballyglass, and to 47·5° at Seafield.

Rainfall exceeded the average over the Kingdom generally, but was less than the normal in England N.E. and the English Channel. The excess was large in the northern and north-western districts. On Saturday more than an inch of rain fell at some places in the north of Ireland, the largest measurement being 1·47 in. at Markree Castle.

Bright Sunshine was abundant over nearly all the "Eastern Section," but only moderate in the "Western Section." The percentages of the possible duration ranged from 48 in England N.E., and 45 in Scotland E., to 30 in Scotland N., 25 in England S.W., and to 23 and 21 respectively in Ireland N. and S.

Barometer and Wind.—Soon after the commencement of the week an anticyclone passed over these Islands from the north-westward, but during the greater part of the period the highest pressure was situated over the Bay of Biscay or France, while this country was under the influence of depressions having their centres some distance to the north of Scotland. The South-Westerly to Westerly or North-Westerly winds which formed the dominant currents did not often rise to the force of a strong breeze until Saturday, when they increased to a fresh or strong gale on our south-western and western coasts generally, and to a whole gale in places. On the north-west coast of England the gale was accompanied by a very high tide, which occasioned a considerable amount of damage in places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Very Heavy	Moderate	Very Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 2 weeks from Mar. 3rd, 1907.	Warmth ...	0 * 1	0 * 1	0 * 1	0 * 0	0 * 0	0 * 0	0 * 0	0 * 0	0 * 1	1 * 0	2 * 0	0 * 0
	Rainfall ...	2 * 0	1 * 0	0 * 0	0 * 0	0 * 0	0 * 0	2 * 0	2 * 0	0 * 0	2 * 0	0 * 1	0 * 0
	Sunshine ...	0 * 0	1 * 0	2 * 0	2 * 0	0 * 0	1 * 0	0 * 0	1 * 0	0 * 1	0 * 0	0 * 1	0 * 0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

5885/370 Wy. & S., Ltd. 3–07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (11th)—March 10th to 16th, 1907.

DISTRICTS. (See p. 83.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	18	43·1	30·0	36·4	− 2·7	3	− 7	42	+ 11	6	+ 1	1·60	+0·64	24	+ 4	30	+ 5
Eastern																		
1. SCOTLAND, EAST	56	10	44·8	30·2	37·3	− 2·3	8	− 8	42	+ 10	5	+ 1	0·71	+0·21	36	+ 11	45	+14
2. ENGLAND, N.E.	57	24	48·1	34·2	41·0	+ 0·3	17	− 2	31	+ 4	6	+ 3	0·30	−0·12	39	+ 14	48	+17
3. ENGLAND, EAST	57	21	48·8	35·0	41·7	+ 0·8	19	− 5	28	− 1	6	+ 3	0·38	+0·05	33	+ 6	41	+ 7
4. MIDLAND COUNTIES	57	18	48·9	35·1	41·8	+ 0·8	19	− 5	28	− 1	6	+ 3	0·41	+0·04	28	+ 4	34	+ 4
5. ENGLAND, SOUTH	56	20	48·2	36·9	42·4	+ 0·4	24	0	14	− 8	6	+ 3	0·44	+0·04	30	+ 4	38	+ 4
Western																		
6. SCOTLAND, WEST	55	23	46·6	34·1	40·2	− 0·7	13	− 3	30	+ 6	6	+ 2	1·84	+1·05	23	− 1	29	− 1
7. ENGLAND, N.W.	56	23	47·5	36·5	41·8	+ 0·6	15	− 3	22	0	6	+ 2	1·26	+0·75	27	+ 4	33	+ 4
8. ENGLAND, S.W.	54	21	48·4	38·6	43·4	+ 0·9	24	0	10	− 8	6	+ 2	0·76	+0·19	20	− 9	25	−11
9. IRELAND, NORTH	54	30	48·5	37·9	43·0	+ 1·2	24	+ 3	11	− 10	6	+ 1	1·63	+1·07	19	− 4	33	− 5
10. IRELAND, SOUTH	59	35	51·6	42·2	46·3	+ 3·5	34	+ 7	0	− 16	6	+ 2	0·93	+0·30	17	− 9	21	−11
11. CHANNEL ISLANDS	54	29	50·0	41·9	45·8	+ 0·7	27	− 2	0	− 7	5	+ 1	0·33	−0·14	29	− 4	36	− 6

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 2 Weeks, March 3rd to March 16th, 1907.

0. SCOTLAND, NORTH	57	18	*	*	*	*	11	− 7	71	+ 6	12	+ 2	3·55	+1·65	43	+ 4	27	+ 3
Eastern																		
1. SCOTLAND, EAST	56	10	*	*	*	*	20	− 7	75	+ 7	9	+ 1	1·28	+0·30	60	+ 15	39	+ 9
2. ENGLAND, N.E.	57	24	*	*	*	*	28	− 5	67	+ 9	11	+ 4	0·73	−0·11	68	+ 21	43	+13
3. ENGLAND, EAST	57	21	*	*	*	*	31	− 10	62	0	10	+ 4	0·79	+0·11	68	+ 16	43	+10
4. MIDLAND COUNTIES	57	18	*	*	*	*	33	− 9	65	+ 3	10	+ 4	0·76	−0·03	48	+ 2	30	+ 1
5. ENGLAND, SOUTH	56	20	*	*	*	*	39	− 4	44	− 4	10	+ 4	0·77	−0·08	63	+ 13	40	+ 8
Western																		
6. SCOTLAND, WEST	55	23	*	*	*	*	27	− 1	54	+ 3	12	+ 4	3·24	+1·61	47	+ 2	30	+ 1
7. ENGLAND, N.W.	58	23	*	*	*	*	31	0	50	+ 2	11	+ 3	2·28	+1·21	55	+ 11	35	+ 7
8. ENGLAND, S.W.	54	20	*	*	*	*	41	− 3	40	0	11	+ 3	1·16	−0·08	46	− 9	29	− 6
9. IRELAND, NORTH	55	30	*	*	*	*	51	+ 13	22	− 23	12	+ 3	2·79	+1·62	42	− 1	27	− 1
10. IRELAND, SOUTH	59	30	*	*	*	*	66	+ 16	6	− 29	12	+ 4	1·30	−0·02	39	− 11	24	− 7
11. CHANNEL ISLANDS	54	29	*	*	*	*	54	0	5	− 11	8	0	0·63	−0·42	63	0	39	0

THE YEAR.—Aggregates, &c., for the period of 11 Weeks, December 30th, 1906, to March 16th, 1907.

0. SCOTLAND, NORTH	57	8	*	*	*	*	64	− 14	406	+ 25	60	+ 4	15·63	+3·74	134	+ 5	20	+ 1
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	88	− 11	456	+ 31	39	− 4	4·72	−1·02	222	+ 53	33	+ 8
2. ENGLAND, N.E.	58	15	*	*	*	*	103	− 10	409	+ 50	39	− 1	3·01	−1·22	247	+ 85	35	+12
3. ENGLAND, EAST	57	10	*	*	*	*	77	− 54	441	+ 40	37	− 3	3·43	−0·70	221	+ 30	31	+ 4
4. MIDLAND COUNTIES	57	10	*	*	*	*	99	− 47	442	+ 44	34	− 5	3·20	−1·74	202	+ 37	28	+ 5
5. ENGLAND, SOUTH	56	16	*	*		*	112	− 49	368	+ 61	32	− 6	3·49	−1·81	223	+ 39	31	+ 5
Western																		
6. SCOTLAND, WEST	56	16	*	*	*	*	102	− 17	318	+ 18	50	+ 2	10·93	+0·29	103	+ 12	24	+ 2
7. ENGLAND, N.W.	58	15	*	*	*	*	91	− 34	340	+ 41	45	+ 1	6·48	−0·25	201	+ 46	28	+ 6
8. ENGLAND, S.W.	54	5	*	*	*	*	121	− 74	328	+ 89	46	+ 2	5·87	−2·40	201	+ 3	28	0
9. IRELAND, NORTH	55	16	*	*	*	*	144	− 19	230	− 32	55	+ 4	7·90	+0·18	159	− 2	23	0
10. IRELAND, SOUTH	59	11	*	*	*	*	223	− 13	197	− 3	48	+ 2	5·07	−3·82	164	− 21	23	− 3
11. ENGLISH CHANNEL	54	21	*	*	*	*	217	− 56	95	0	42	− 7	4·23	−2·73	222	− 9	30	− 1

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

March 10-16, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	46	20	40·6	30·3	35·3	- 3·1	0	47	6	1·10	+ 0·43	22·2	- 0·3	28	0
	Stornoway	48	28	43·7	32·0	37·7	- 1·9	5	35	7	0·71	- 0·19	29·2	+ 6·7	37	+ 8
0. SCOTLAND, N. — Mainland.	Wick	54	19	42·9	27·4	34·9	- 4·3	3	50	6	0·69	+ 0·21	*	*	*	*
	†Lairg (Strathpeffer) .. S	51	18	44·6	27·8	36·0	- 1·3	7	50	6	1·01	+ 0·29	24·9	+ 4·9	31	+ 6
	Glencarron	47	23	41·5	29·4	35·3	- 2·7	0	47	7	3·45	+ 1·68	*	*	*	*
	Fort Augustus	48	24	44·3	30·4	37·1	- 2·3	6	40	6	2·03	+ 1·19	19·1	+ 2·3	24	+ 3
	Fort William .. .. S	48	28	44·3	32·7	38·3	- 1·9	6	33	6	2·20	+ 0·67	*	*	*	*
1. SCOTLAND, E.	Nairn	51	19	43·9	29·3	36·4	- 3·1	5	44	7	0·59	+ 0·19	31·8	—	40	—
	Aberdeen	56	23	44·7	31·6	38·0	- 1·8	8	37	4	0·72	+ 0·18	35·6	+ 9·8	45	+ 12
	†Balmoral (Crathes) .. S	47	10	39·7	24·4	31·8	- 4·1	0	71	5	0·43	- 0·18	35·8	—	45	—
	†Clathick (Balruddery) .. S	55	25	47·7	31·5	39·4	- 0·3	16	39	3	0·84	+ 0·17	41·6	—	52	—
	†Leith (Edinburgh)	53	29	47·3	34·1	40·5	- 0·8	15	30	6	0·72	+ 0·37	32·5	+ 12·2	41	+ 15
	Marchmont .. .. S	52	23	45·6	30·3	37·7	- 1·1	10	42	5	0·96	+ 0·41	37·4	+ 13·8	47	+ 17
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	55	28	46·9	33·7	40·1	+ 0·3	14	31	6	0·45	- 0·09	39·4	—	49	—
	†Shields (Newcastle)	56	26	48·0	30·7	39·1	- 1·5	17	42	5	0·21	- 0·17	39·2	+ 9·9	37	+ 12
	Durham	55	24	47·1	32·8	39·7	0·0	14	34	6	0·35	- 0·07	33·6	+ 9·2	42	+ 11
	Scarborough .. .. M	56	32	49·4	36·5	42·8	+ 1·9	29	15	5	0·10	- 0·30	39·2	—	48	—
	York	55	27	49·3	34·8	41·8	+ 0·9	20	29	6	0·28	- 0·09	34·0	+ 12·1	42	+ 15
2. ENGLAND, N.E. — Southern part.	Spurn Head	52	33	46·0	36·1	40·9	+ 0·3	11	22	5	0·27	- 0·02	*	*	*	*
	†Lincoln (Skegness)	57	26	49·7	34·1	41·7	+ 0·5	22	32	6	0·37	+ 0·04	51·3	—	63	—
	†Fulbeck (Rauceby)	55	26	48·6	34·8	41·5	+ 0·6	18	28	5	0·34	0·00	37·7	—	47	—
3. ENGLAND, E — Northern part.	Hillington .. .. M	54	26	48·7	33·9	41·1	0·0	19	32	7	0·38	- 0·01	32·9	+ 7·9	41	+ 10
	†Yarmouth (Lowestoft) ..	53	32	46·7	34·7	40·5	+ 0·3	13	27	7	0·39	+ 0·03	48·7	.. —	60	—
	Geldeston	55	27	49·3	34·4	41·6	+ 0·4	20	30	7	0·32	- 0·01	35·2	+ 7·9	44	+ 10
	(Cromer)												33·7	—	42	—
3. ENGLAND, E — Southern part.	Cambridge	57	23	51·3	34·8	42·8	+ 1·4	36	20	5	0·31	+ 0·01	28·0	+ 1·2	35	+ 2
	Felixstowe	55	26	48·5	35·4	41·8	+ 0·4	18	27	4	0·44	—	34·5	—	43	—
	Clacton-on-Sea	56	28	48·3	34·9	41·4	- 0·3	18	28	5	0·36	—	33·3	—	41	—
	Rothamsted	55	21	47·9	34·6	41·1	+ 0·5	17	29	6	0·49	+ 0·08	31·8	+ 6·9	39	+ 9
	†Shoeburyness (Southend) ..	56	27	49·3	36·6	42·8	+ 0·7	28	15	6	0·30	+ 0·03	33·0	—	41	—
	London, Westminster	57	27	49·1	35·9	42·3	0·0	28	17	6	0·42	+ 0·07	26·6	+ 11·9	33	+ 15
	(Dunmow)												31·0	—	38	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	54	27	47·1	33·0	39·8	+ 0·3	14	33	7	0·74	+ 0·27	31·7	—	39	—
	†Bawtry (Worksop)	57	25	50·0	35·7	42·6	+ 1·6	31	18	5	0·31	- 0·04	28·4	+ 6·5	35	+ 8
	Nottingham	56	26	49·3	34·9	41·9	+ 0·7	20	29	6	0·27	- 0·08	25·9	—	32	—
	Colly Weston	55	26	49·6	34·1	41·6	+ 0·4	21	31	5	0·24	- 0·10	*	*	*	*
	Birmingham, Edgbaston ..	54	28	48·2	36·5	42·2	+ 1·4	25	15	6	0·40	+ 0·02	17·6	—	22	—
	Oxford	56	26	48·9	35·6	42·1	+ 0·5	28	18	6	0·34	- 0·01	31·4	+ 6·9	39	+ 9
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. M	53	28	46·5	35·4	40·8	+ 0·8	13	25	6	0·53	+ 0·03	28·7	—	35	—
	Shrewsbury	55	25	49·9	33·6	41·5	- 0·7	22	33	5	0·29	—	*	*	*	*
	Hereford .. .. M	57	22	50·4	36·5	43·2	+ 1·4	32	15	6	0·42	+ 0·05	*	*	*	*
	Cirencester	54	18	48·2	34·7	41·3	+ 0·9	17	29	5	0·42	- 0·03	28·9	+ 3·6	36	+ 5
	Bath	55	22	50·1	36·3	43·0	+ 0·8	31	16	6	0·58	+ 0·12	30·6	—	38	—
	(Margate)												33·1	+ 6·5	41	+ 8
5. ENGLAND, S.	Kew	56	26	49·1	37·7	43·2	+ 1·3	26	12	6	0·47	+ 0·11	23·7	+ 5·8	35	+ 7
	Wisley, Surrey	56	26	48·3	36·5	42·2	+ 0·7	25	15	7	0·55	—	30·0	—	37	—
	†Swarraton (Ventnor) .. M	53	20	47·5	36·6	41·9	+ 1·2	15	22	5	0·63	+ 0·13	24·8	- 6·4	31	- 8
	Tunbridge Wells .. M	56	24	47·6	34·5	40·9	- 0·2	16	29	6	0·51	+ 0·05	35·4	+ 9·2	44	+ 11
	†Dungeness (Littlestone) ..	54	24	47·3	34·1	40·5	- 1·1	15	30	6	0·37	+ 0·06	31·7	—	39	—
	Hastings	55	30	48·0	36·9	42·3	+ 0·1	24	14	7	0·49	+ 0·04	35·8	+ 6·4	44	+ 8
	Southampton	56	25	50·7	38·5	44·4	+ 1·1	32	10	5	0·34	- 0·15	28·1	+ 0·6	35	+ 1
	†Portland Bill (Worthing) ..	49	33	47·4	40·4	43·8	+ 0·2	19	4	3	0·16	—	33·1	—	41	—
	(Eastbourne)												34·3	+ 5·1	42	+ 6
6. SCOTLAND, W.	†Laudale (Oban)	50	29	46·6	34·0	40·1	- 1·2	13	30	7	1·90	+ 0·38	16·1	—	20	—
	Glasgow	50	29	44·4	34·1	39·1	- 1·1	7	28	5	1·69	+ 1·09	26·1	+ 7·9	33	+ 10
	Dumfries .. .. .. S	55	26	48·2	32·8	40·3	- 0·4	17	35	6	1·88	+ 1·12	*	*	*	*
	Cally .. .. .. S	50	23	47·0	33·5	40·1	- 0·4	14	32	6	2·01	+ 1·18	*	*	*	*
	Douglas, Isle of Man	53	26	46·6	36·2	41·3	- 0·2	13	23	6	1·74	+ 1·10	27·1	- 1·5	34	- 2
7. ENGLAND, N.W.	Aspatria	52	30	46·5	33·9	40·0	- 0·2	13	30	6	1·73	+ 1·11	26·0	—	32	—
	Newton Rigg	51	23	45·5	34·3	39·7	+ 0·6	10	28	6	1·55	+ 0·96	25·3	+ 1·6	31	+ 2
	Stonyhurst	51	26	45·3	34·4	39·7	- 0·4	9	28	6	2·75	+ 1·97	28·9	+ 5·8	36	+ 7
	Blackpool .. .. M	49	28	45·8	35·5	40·5	- 0·4	11	24	6	1·11	+ 0·61	30·0	+ 6·8	37	+ 8
	Manchester, Prestwich ..	53	27	46·6	36·1	41·2	+ 0·6	13	23	6	1·20	+ 0·63	24·6	+ 6·8	30	+ 8
	†Liverpool Obs. (Hoylake) ..	53	30	48·0	36·9	42·3	+ 0·4	24	14	6	0·33	- 0·07	30·7	—	38	—
	†Hawarden Bridge (Southport)	56	28	51·4	37·7	44·4	+ 2·0	35	12	6	0·33	+ 0·01	28·7	+ 4·5	35	+ 6
NORTH WALES	Llandudno .. .. M	53	33	49·0	39·1	43·9	+ 1·0	25	8	6	0·71	+ 0·25	31·5	+ 7·4	39	+ 9
	†Holyhead (Aberdovey) ..	52	33	47·6	38·6	43·0	+ 0·2	21	10	6	0·93	+ 0·39	24·2	—	30	—
	Bettws-y-Coed	55	28	49·6	38·1	43·7	+ 1·1	28	11	6	1·93	—	20·2	—	25	—
8. SOUTH WALES	Llangammarch Wells	52	21	47·4	34·9	41·0	- 0·1	15	28	6	1·03	—	17·6	—	22	—
	Pembroke	48	40	47·4	41·4	44·3	+ 1·5	19	2	7	0·77	+ 0·25	19·1	- 8·9	24	- 11
	†Cardiff (Aberystwyth)	54	22	48·7	36·9	42·6	- 0·3	26	14	6	1·17	+ 0·51	21·0	—	26	—
8. ENGLAND, S.W.	†Clifton (Torquay)	53	26	48·9	38·0	43·3	+ 1·3	26	11	6	0·79	+ 0·25	25·4	- 4·9	31	- 6
	†Shaftesbury (Marlborough) M	50	28	46·1	36·7	41·3	+ 0·9	11	21	6	0·28	- 0·21	25·0	+ 2·4	31	+ 3
	†Arlington (Newquay)	49	27	47·1	37·6	42·2	+ 1·2	20	12	6	1·14	+ 0·29	22·1	- 7·2	27	- 9
	Cullompton .. .. M	54	21	50·4	37·7	43·9	+ 0·7	31	12	5	0·43	- 0·14	21·8	- 4·1	27	- 5
	Plymouth	53	31	49·6	41·1	45·2	+ 1·3	26	3	6	0·51	- 0·06	21·9	- 6·7	27	- 8
	Falmouth	53	40	49·8	43·3	46·5	+ 2·2	32	0	5	0·68	- 0·06	19·4	- 10·5	24	- 13
9. IRELAND, N. — Western part.	Malin Head	48	33	46·3	37·4	41·7	- 0·5	12	18	6	1·63	+ 1·13	*	*	*	*
	Edenfel	51	30	47·9	35·7	41·6	+ 1·4	17	25	7	2·04	+ 1·42	*	*	*	*
	Blacksod Point	51	37	49·4	42·1	45·6	+ 2·0	25	0	7	1·65	+ 0·79	*	*	*	*
	Markree Castle	54	36	50·8	40·1	45·3	+ 3·7	31	5	6	2·17	+ 1·47	17·7	- 5·2	22	- 6
9. IRELAND, N. — Eastern part.	Armagh	54	33	48·2	37·7	42·8	+ 1·6	24	12	6	1·16	+ 0·68	20·0	- 2·5	25	- 3
	Donaghadee	54	30	48·3	34·1	41·0	- 1·0	18	31	6	1·14	+ 0·68	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	57	35	51·2	40·0	45·4	+ 2·0	32	6	6	0·54	+ 0·10	22·9	- 3·9	28	- 5
	Kilkenny	57	33	51·4	40·4	45·7	+ 2·2	33	4	6	0·57	+ 0·06	*	*	*	*
	Waterford	59	37	52·3	41·4	46·7	+ 3·8	35	2	5	0·44	- 0·20	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	56	35	51·3	39·7	45·3	+ 3·3	33	6	7	1·04	+ 0·50	20·8	- 3·5	26	- 4
	Foynes	55	40	51·5	43·3	47·3	+ 4·0	37	0	6	1·11	+ 0·47	*	*	*	*
	Killarney	58	39	53·1	43·7	48·3	+ 3·9	44	0	6	1·82	+ 0·76	*	*	*	*
	Valencia	54	42	51·4	45·3	48·3	+ 2·9	44	0	7	1·17	+ 0·19	8·8	- 18·2	11	- 22
	†Roches Point (Ballinacurra) ..	54	41	50·9	43·6	47·1	+ 2·6	36	0	6	0·74	+ 0·01	14·9	—	18	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	54	42	51·1	43·7	47·3	+ 1·4	37	0	5	0·35	- 0·19	29·0	- 1·5	36	- 2
	†Jersey, St. Aubins (St. Heliers)	51	29	49·6	40·4	44·9	+ 0·2	27	4	6	0·28	- 0·25	27·5	- 4·9	34	- 6
	Guernsey	51	32	49·2	41·7	45·3	+ 0·4	24	1	3	0·36	- 0·20	30·9	- 0·9	38	- 1

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 34·9 hrs., 43 % ; Brighton, 30·1 hrs. (+ 1·1), 37 % (+ 1 %); Bournemouth, 25·7 hrs., 32 % ; Bognor, 30·2 hrs., 37 % ; Rhyl, 28·7 hrs., 35 % ; Tenby, 21·3 hrs. (- 8·7), 26 % (- 11 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·0
	Crathes	5	15	35·6	37·7
	Balmoral	5	5	—	—
	Marchmont ..	—	—	36·0	—
2.	Cockle Park	3	21	36·5	38·8
	York	—	—	38·4	40·0
	Hull	5	19	38·3	40·0
	Lincoln	—	—	37·9	39·7
3.	Lowestoft	—	—	39·9	40·7
	Cambridge	3	18	40·6	41·8
	Dunmow	3	20	—	—
	Clacton-on-Sea ..	2	23	41·1	42·9
4.	Harrogate	4	20	38·3	39·5
	Sheffield	2	21	37·9	39·5
	— — ..				
	Birmingham	2	14	40·5	42·8
	Nottingham	2	18	39·1	38·4
	— — ..				
5.	Kew	3	15	41·3	42·5
	Canterbury	7	22	40·3	42·8
	Portsmouth	1	16	43·0	44·2
	Wisley	—	—	41·3	42·2
6.	— — ..				
	Glasgow	4	23	—	—
	— — ..				
7.	Newton Rigg ..	3	17	38·7	39·7
	Southport	2	19	40·2	40·2
	Manchester City ..	2	26	38·9	40·7
	Bettws-y-Coed ..	1	26	41·4	42·1
	— — ..				
8.	Llangammarch Wells	2	13	40·8	41·9
	Bath	—	—	42·3	43·4
	Plymouth	1	25	44·3	—
	— — ..				
9.	Armagh	1	29	42·4	43·1
	Markree Castle ..	1	30	—	—
10.	Dublin, Trin. Coll. ..	3	30	43·7	43·9
11.	Guernsey, Brooklyn	2	24	44·9	45 0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	41	41·1
	Kirkwall	41	35	38·0
	Wick	42	42	42·0
SCOTLAND, E.	Cromarty	38	34	37·5
	Pennan Bay	39	38	38·7
	Aberdeen, Cove Bay ..	41	40	40·5
ENGLAND, N.E.	Burnmouth, Berwick ..	41	36	38·8
	Scarborough	43	36	39·5
ENGLAND, E.	Shipwash Lightship ..	39	37	38·4
ENGLAND, S.E.	Eastbourne‡	41	40	40·1
SCOTLAND, W.	Lamlash	44	43	43·7
	Ballantrae	44	42	43·4
ENGLAND, N.W.	Port Erin	44	43	43·7
ENGLAND, S.W.	Newquay	47	46	46·7
	Plymouth‡	46	45	45·6
	Salcombe	45	44	44·2
IRELAND, N.W.	Sheephaven	46	44	45·2
	Ballyglass	50	44	46·8
IRELAND, S.W.	Cleggan	47	45	46·3
	Seafield	50	45	47·5
IRELAND, E.	Kingstown‡	43	42	42·3

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

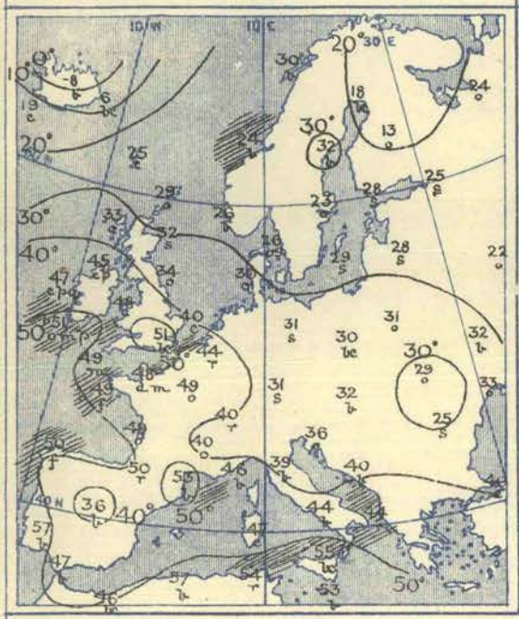
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

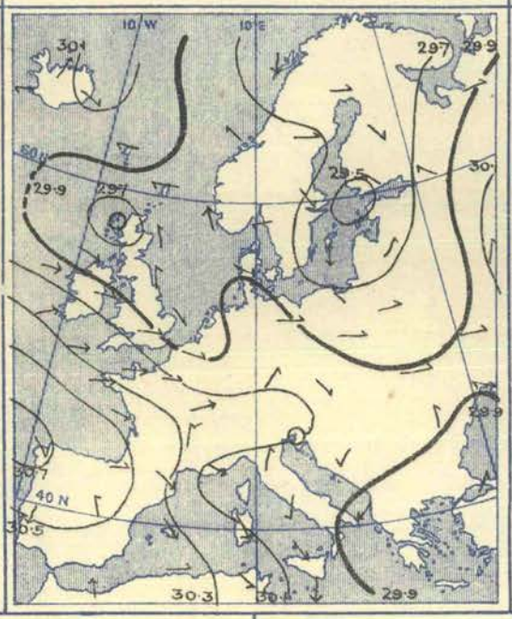
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 10th March, 1907.

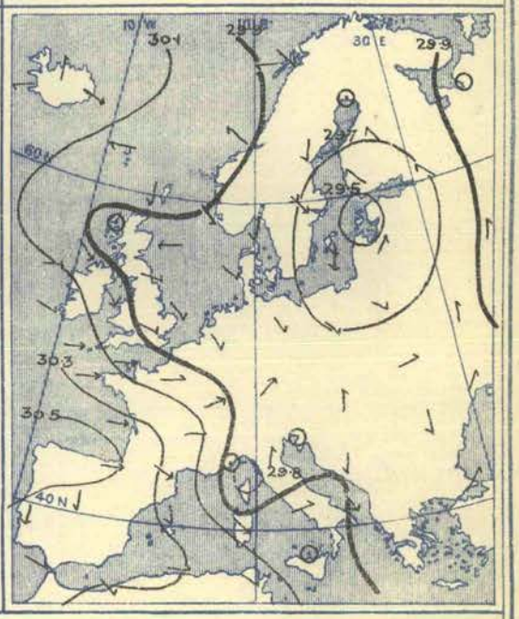
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of southern Europe, but unsettled and cloudy or dull generally, with snow in Scotland, Holland, and Germany, and in some more northern regions, and rain or passing showers in Ireland, Belgium, the south-west of France, and also at Brindisi and Patras. Heavy rain or snow experienced subsequently at Carlsruhe and Munich, and smaller quantities in most other parts of our area except the Spanish Peninsula and Italy.

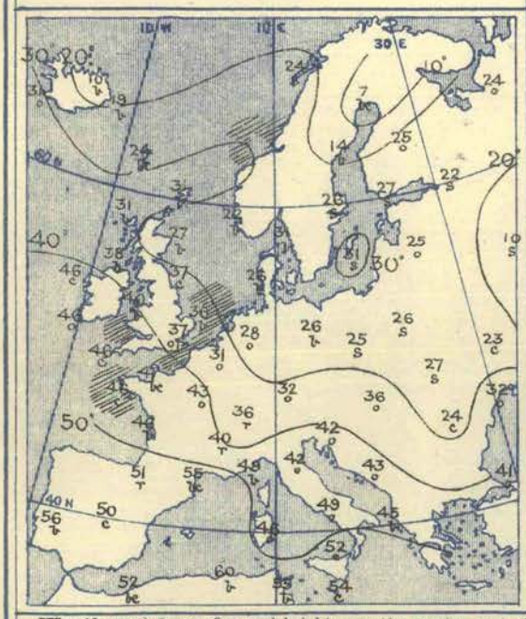
Temperature risen over our Islands and France, fallen or changed little over our area generally. Readings in morning above 56° at several places in central and southern England, but below 32° in the north of Scotland. As high as 58° at Palma, 57° at Lisbon, Barcelona, and Algiers, and about 50° at many other southern stations. Below the freezing point over a large portion of the Continent, and as low as 10° at Uleaborg. Rising during day to 73° at Madrid, 72° at Nemours, and to 57° in London. Thermometer remaining below 35° in the north-east of Scotland, and below 32° in the north-east of Europe.

Wind in morning showing several partial or complete cyclonic circulations; moderate or light in force as a whole, but strong or high winds prevailing in various parts of the Mediterranean, and a Northerly gale at Wisby. Increasing somewhat from East in Scotland during day, and from the North-Westward on our western coasts; the force of a gale attained for some hours at Roche's Point.

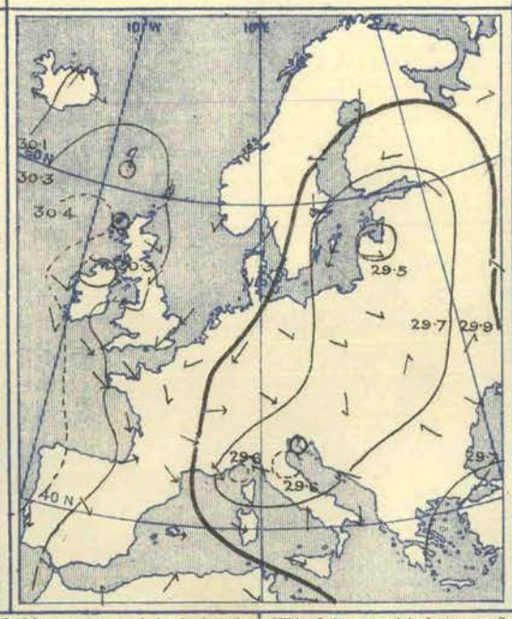
Barometer in morning ranging from above 30·7 ins. in an anticyclone having its maximum near Corunna, to below 29·9 ins. in a large shallow area over south-eastern Europe, to below 29·7 ins. in a depression centred over the Hebrides, and to less than 29·5 ins. in another system over the upper portion of the Baltic. A fresh minimum forming later over Corsica and the Gulf of Genoa, and the disturbance off our north-west coasts travelling south-eastwards to the North Sea. Gradients increasing over the south of France and its neighbourhood.

Monday, 11th March, 1907.

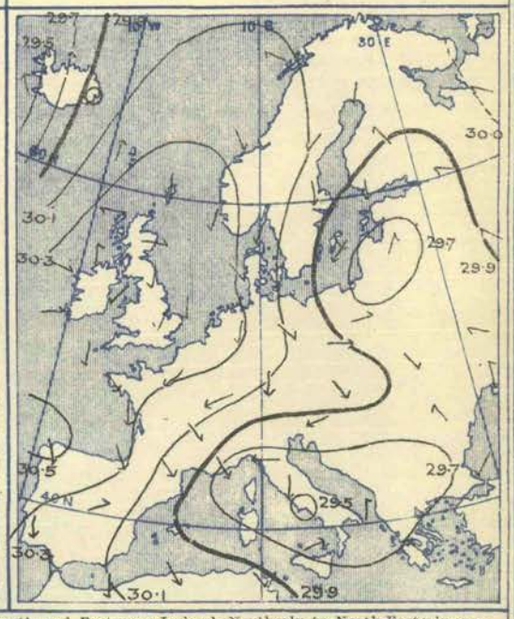
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of this country and in isolated places elsewhere, but cloudy or overcast as a whole, with rain in some southern localities, and snow at several stations in the central and northern countries. Heavy rain falling later in some Italian districts and smaller amounts of rain or snow in many other regions. Much sunshine recorded over Great Britain.

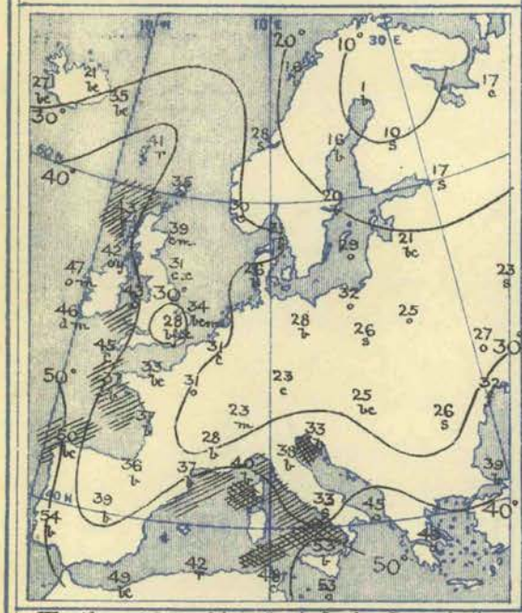
Temperature fallen generally, but risen on several shores of the Mediterranean. Readings at 8 a.m. 20° at Wick and below 32° at most other stations in Scotland. Not much above zero in the north of Sweden, and below the freezing point over the north and east of our area generally. Many readings above 50° reported from southern Europe, the highest being 61° at Palma. Maximum in London only 40°, and thermometer failing to rise to 32° in some parts of Germany and Austria. Highest values, 77° at Oran and Nemours, and 72° at Barcelona.

Wind in morning between South and East over Iceland, Northerly to North-Easterly over the United Kingdom and France, and drawing into North-West over the Mediterranean. An extensive cyclonic circulation prevailing around the Baltic Provinces of Russia. Force fresh or strong in many places, and a North-Westerly gale prevailing at Cape Sicié, and a Northerly gale at Wisby. Increasing in strength later both over the Mediterranean region and on the shores of the Baltic, and a Southerly gale setting in over the west of Iceland. Wind falling light over these Islands.

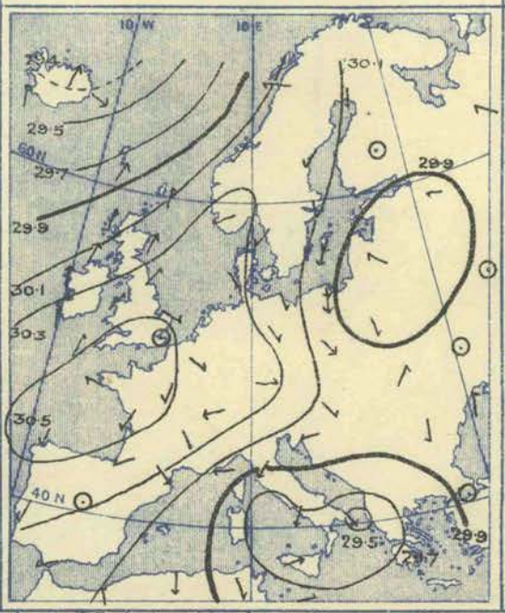
Barometer in morning above 30·4 ins. in a large system extending from the Atlantic to the west and north-west coasts of these Islands and the Spanish Peninsula. Relatively low to the westward of Iceland, below 29·6 ins. in two minima over southern Europe, and below 29·5 ins. in a disturbance centred near Riga. High pressure system spreading over our Islands during day, and a very brisk fall of the barometer commencing in Iceland. Depressions over the south of Europe becoming deeper, and gradients increasing considerably in their vicinity.

Tuesday, 12th March, 1907.

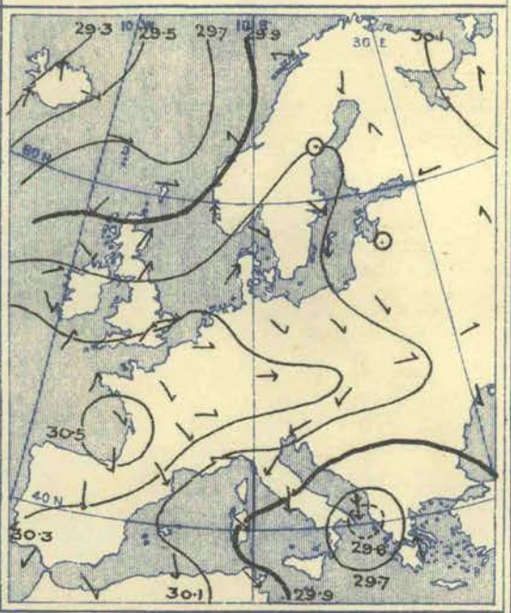
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in Sweden, Denmark, the south-east of England, and the greater part of France and the Spanish Peninsula, cloudy or dull as a whole elsewhere, with rain on our extreme western and north-western coasts and in Algeria, and snow in various parts of central and northern Europe, and also at Naples. Rain, generally slight, experienced subsequently over the United Kingdom and the north of France, and rain or snow in many other regions. Largest rain measurements, 0·5 in. at Algiers, and 0·8 in. at Patras.

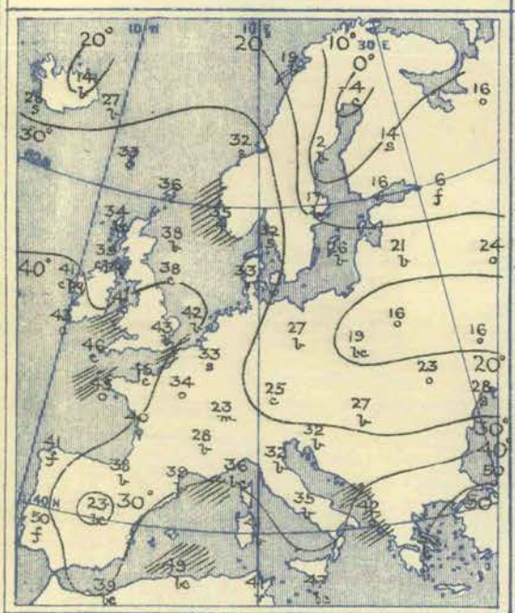
Temperature risen at our most western and northern stations and in Iceland, fallen generally. Readings in morning below the freezing point over the greater part of England and most of the European mainland, and no higher than 33° at Naples. Above 45° on the west coast of Ireland and above 50° at Lisbon, and at a few Mediterranean stations. Maxima during day only 39° at Naples, and below 45° in several Italian localities, but thermometer rising to 64° at Lisbon and to 70° at Oran. Frost continuing all day in some central and northern districts.

Wind in morning light and anticyclonic over the Bay of Biscay and the surrounding regions. Two main cyclonic circulations prevailing—one over Russia and the Baltic, and the other over Italy and its neighbourhood. Strong or high Northerly winds general in Italy and a high West-South-West wind in Sicily; Northerly current over the Baltic strong to a gale in force. A moderate to fresh Southerly current blowing between this country and Iceland. A Northerly gale setting in at Brindisi by evening, but some decrease in force taking place generally. Wind veering somewhat over our Islands.

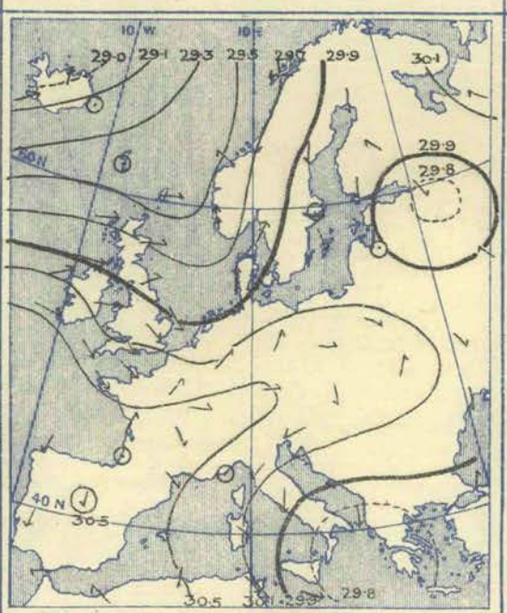
Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone over the Bay of Biscay and the north of France, to less than 29·9 ins. in a large depression over the west of Russia, and to below 29·6 ins. in another system over the south of Italy. Relatively high in a ridge extending northwards to the north of Norway, and below 29·4 ins. in the north of Iceland. Gradients steep over Italy and the Riviera. A fresh fall of the mercury occurring later in Iceland, and a secondary disturbance moving westwards over these Islands.

Wednesday, 13th March, 1907.

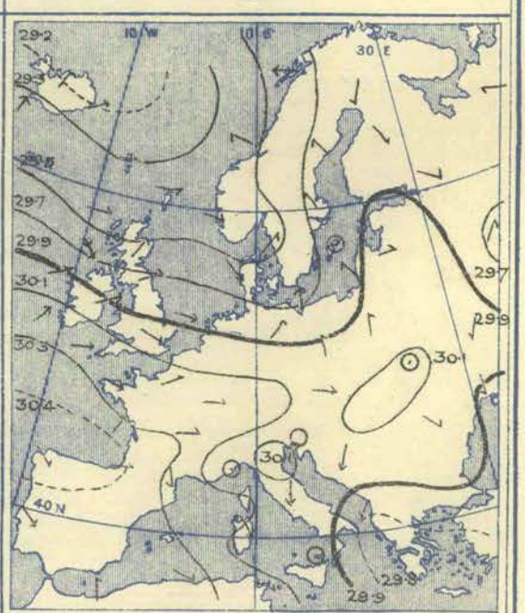
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of Southern Europe and in most parts of these Islands, but showery on the west coast of Ireland. Rain or snow falling in Norway, snow in Finland and also at Aumale, and rain at Tunis. Showers of rain or sleet experienced later in Scotland and the north of England, and of rain over our Islands generally. Various amounts of snow falling in central and northern Europe, and heavy quantities of rain, sleet, or snow at Palermo and Aumale.

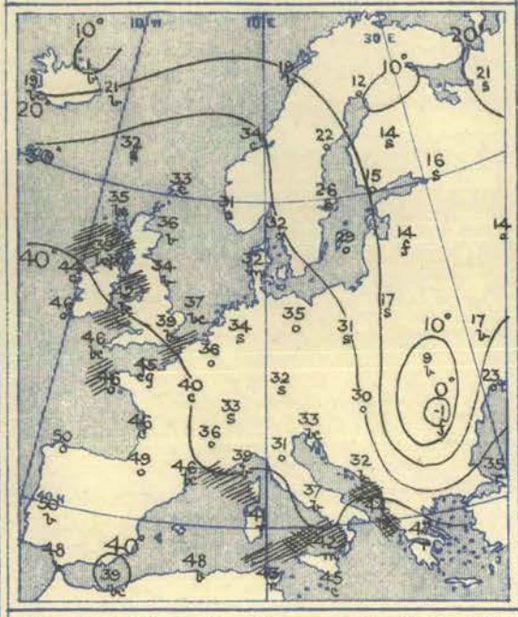
Temperature risen over England and the adjacent portion of the Continent, fallen generally elsewhere. Readings in morning as low as 23° at Madrid, 30° at Florence, 32° at Rome, and 35° at Naples. Much below 32° over all the central and northern parts of Europe, and below zero at Haparanda. As high as 46° at Scilly, and about 50° at some of the most southern stations. Frost continuing throughout the day in the most eastern and north-eastern districts, and thermometer only rising to 41° at Aumale and to a little higher at Naples and Palermo. Maxima below 50° generally, but above 60° in the west of Algeria and on the south and west coasts of the Spanish Peninsula.

Wind in morning mainly Westerly, light to fresh, over our Islands, South-Westerly over the Netherlands, and strong to a gale from the Southward in the south-west of Norway. Moderate to strong Northerly winds prevailing over most of the Mediterranean region, a light cyclonic circulation over Russia, and an anticyclonic movement over the Bay of Biscay and its vicinity. Veering somewhat over the United Kingdom during day, and blowing a gale on the north coast of Ireland. A South-Westerly gale setting in at Copenhagen.

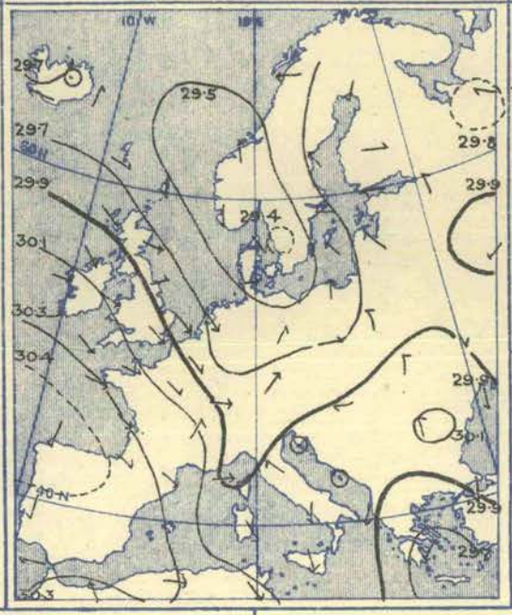
Barometer in morning above 30·4 ins. in an anticyclone covering the south-west of France and most of the Iberian Peninsula. Below 29·8 ins. in a large depression having its minimum between Greece and Italy, and also in another system centred near St. Petersburg, and less than 29·0 ins. to the northward of Iceland. A secondary disturbance shown over the North Sea. Little change in the general distribution of pressure occurring during the day. Russian depression and also that off Iceland travelling eastwards.

Thursday, 14th March, 1907.

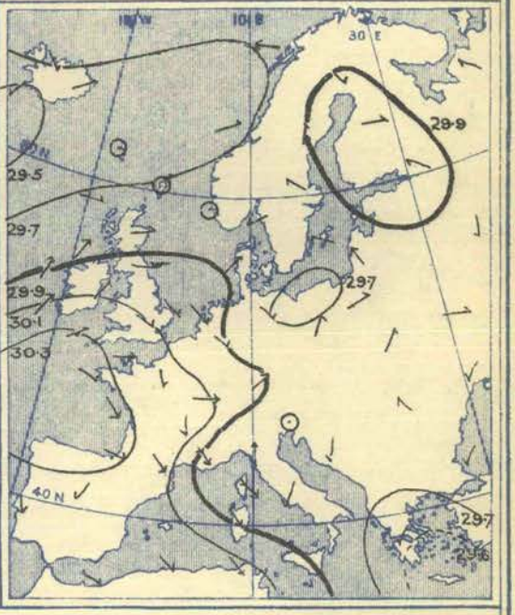
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over nearly all parts of the United Kingdom and southern Europe, but rainy at Cagliari and Athens, as well as at Tunis; cloudy or dull elsewhere, with snow in many central and northern regions. Very bright in most districts in Great Britain during day, but rain falling at night. Slight precipitation experienced in various Continental localities.

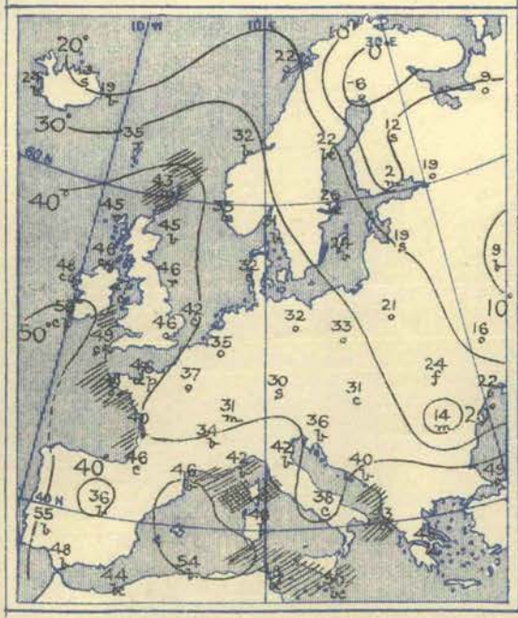
Temperature fallen somewhat at most of our own stations, risen over our area as a whole. Readings in morning about 32° in the north of Scotland and below that point at nearly all places in the east and north of Europe, and also over a considerable portion of northern Italy, and at Rome. About 50° on some coasts of the Spanish Peninsula and at La Calle. Rising subsequently to 72° at San Fernando, 66° at Algiers and Lisbon, and to 61° at Barcelona. Maximum only 45° at Naples and below 50° over Italy generally, but thermometer rising to slightly above 50° at some of our own stations.

Wind in morning moderate to fresh or strong over these Islands and France, drawing into West and South-West over central Europe, and into South-East and East over Scandinavia. Light or moderate winds, mainly from the Northward, over the Mediterranean. Increasing to a gale in some parts of the latter region by evening. A general backing taking place over the United Kingdom.

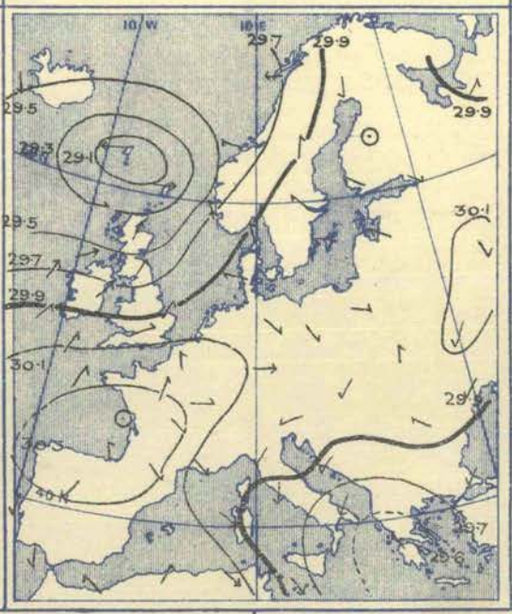
Barometer at 8 a.m. above 30·4 ins. in an anticyclone extending from the Atlantic to the north of Spain, and relatively high over Transylvania. Below 29·5 ins. in a large low-pressure system covering Denmark and the south of Norway, and relatively low in the far north of Russia and in several minima over the south of our area. Anticyclone extending northwards during day, but another depression making its appearance to the southward of Iceland, and barometer falling rather decidedly on all our west and north-west coasts.

Friday, 15th March, 1907.

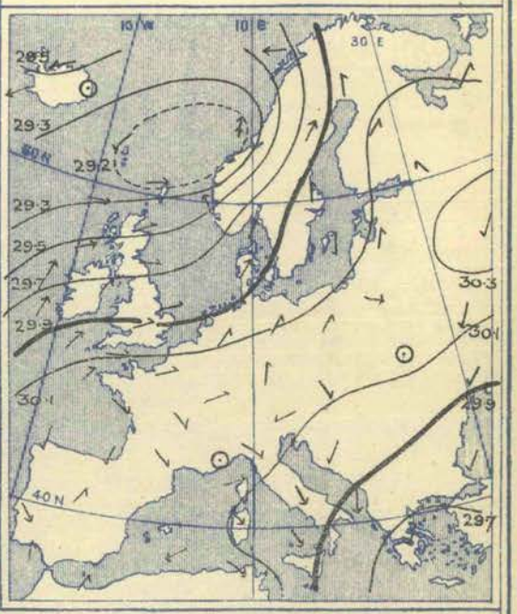
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the southern regions of our area, but cloudy in a few places, and rainy at La Calle. Cloudy or overcast at nearly all stations north of latitude 45°, with rain in several parts of our Islands, and snow at Munich, Knopio, and in the south of Scandinavia. Showers falling later over the United Kingdom and its immediate neighbourhood, and rain or snow in several northern regions of the Continent.

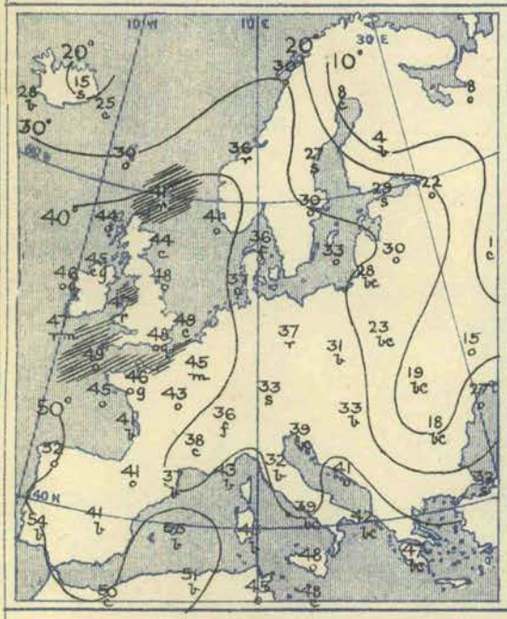
Temperature changed rather irregularly as a whole, but risen very briskly over the United Kingdom. Readings in morning below zero in the far north of Sweden, and below 32° over the greater portion of eastern and northern Europe, as well as at some French stations. Nearly 50° in several parts of these Islands, a little above that value at some Mediterranean stations, and as high as 55° in Portugal. Rising during day to 68° at Madrid, 66° at Lisbon, and to about 60° in many other southern localities, but only touching 50° at Athens and 44° at Brindisi. Maxima between 54° and 56° over a large portion of the United Kingdom.

Wind in morning light and anticyclonic over the Bay of Biscay region and in Russia, cyclonic elsewhere, a very extensive circulation prevailing over the north-west of our area. Westerly current blowing freshly or strongly on some of our own coasts, and that from South strong to a gale in force at Skudesnaes. Strong or high North-Westerly winds general over the Mediterranean. Backing towards South on our western coasts later and increasing in force; reaching the strength of a gale in many places by night.

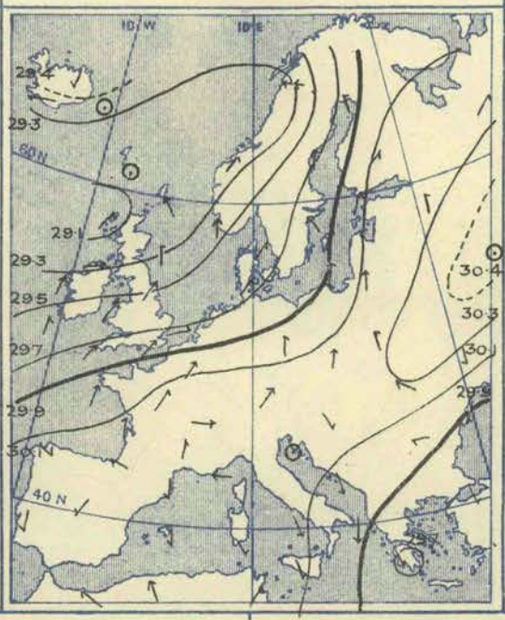
Barometer at 8 a.m. ranging from above 30·3 ins. in an anticyclone having its maximum near Biarritz, and above 30·1 ins. in another system over Russia, to below 29·6 ins. in a large depression over the south-east of our area, and to below 29·1 ins. in a well-defined disturbance off the north of Scotland. Northern depression travelling a little north-eastward during day, and another system appearing from the Atlantic during the night. No important change occurring in the general distribution of pressure.

Saturday, 16th March, 1907.

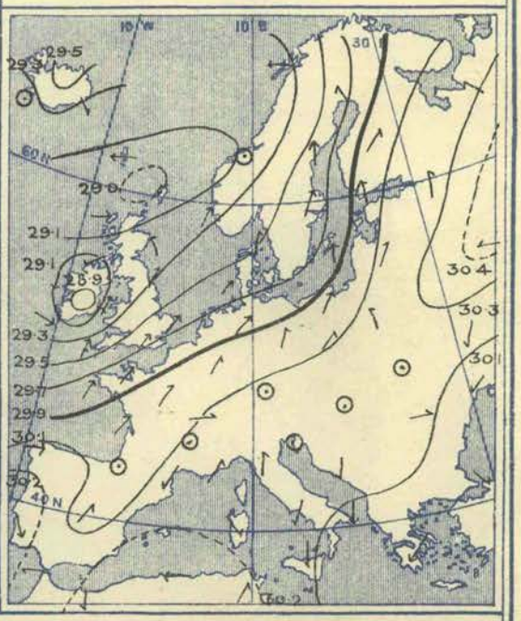
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over the greater portion of our area, with rain at several of our own stations and in Germany, and rain or snow further north. Fine and bright in most parts of southern Europe and in Algeria, but snow falling at Constantinople. More than an inch of rain experienced subsequently in the north of Ireland, and heavy falls over that country generally, as well as in Scotland; slighter quantities over England and France and the northern countries of the Continent.

Temperature risen over Scandinavia, Denmark, and the Netherlands, changed little and rather irregularly as a whole. Readings in morning about 50° in some parts of this country and over the far south of our area; only 32° at Constantinople, 33° at Pesaro, and below 32° over the east and north-east of Europe. Lowest values, 7° at Uleaborg and 4° at Kuopio. Thermometer rising to about 50° later over the greater portion of these Islands and Italy, but touching 61° at Biarritz and Rochefort, and 70° at Madrid and San Fernando. Frost continuing all day at some eastern and north eastern stations.

Wind in morning fresh to strong or high from the South-Westward over these Islands and the English Channel, strong from South at Skudesnaes, and blowing a gale from East at Bodö. Fresh to high winds from the Northward prevailing over Italy. A complete cyclonic circulation setting in by evening over Ireland and its vicinity, and a fresh to whole gale blowing during evening or at night on our west and south-west coasts generally. High South-Westerly winds experienced in the south and east.

Barometer in morning above 30·4 ins. in an anticyclone over Russia, and relatively high in a band extending thence to the Spanish Peninsula. Below 29·8 ins. in the extreme south-east of our area, and below 29·1 ins. in a depression having its minimum to the northward of the Hebrides. Latter system moving a little to the eastward during day, but another, and deeper, depression appearing over Ireland by 6 p.m. and travelling quickly in a north-north-easterly direction.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
March 10th, 10.38 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.	50·5°	41°	39°					One kite, 50 sq. ft.; 6,000 ft. wire. Max. height, 3,100 ft. Cumulus about 2,700 ft Convection currents.
		Humidity	90%	95%	100%					
		Wind Velocity, m. per hr.	WNW, —	NW by W, 25	NW by W, 25					
March 11th, 11.0 a.m. to 12.23 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	35°	29°					One kite, 77 sq. ft.; 5,600 ft. wire. Max. height, 4,100 ft. Temp., 25°; humidity, 75%. Cloudy day, with snow showers in afternoon.
		Humidity	90%	90%	80%					
		Wind Velocity, m. per hr.	N, 15	NNE, 28	N by E, 32					
March 12th, 11.20 a.m. to 1.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	47°	35°	28°					Two kites, 137 sq. ft.; 5,350 ft. wire. Max. height, 3,800 ft. More wire could not be let out owing to the light wind. Clear, with a few cirrus from NW.
		Humidity	70%	60%	63%					
		Wind Velocity, m. per hr.	SW, —	SW by W, 25	SW by W, 25					
March 13th, 10.35 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	44°	39°	30°	[20°]				One kite, 60 sq. ft.; 5,400 ft. wire. Max. height, 4,300 ft. Cloud level, 4,000 ft. Strong gusty wind.
		Humidity	70%	80%	90%	[100%]				
		Wind Velocity, m. per hr.	W by N, 18	WNW, 35	NW by W, 40	[NW by W, 45]				
March 13th, 10.30 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.	45°	38°	29°	[22°]				One kite, 70 (77 ?) sq. ft.; 6,700 ft. wire. Max. height, 4,700 ft. Detached cumulus reached.
		Humidity	70%	75%	90%	[100%]				
		Wind Velocity, m. per hr.	NW by N, 20*	NW by N, 25	NW by N, 25	[NW by N, 32]				
March 13th, 8.10 p.m. to 5.0 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	48°	39°	32°					One kite, 52 sq. ft.; 4,160 ft. wire. Max. height, 3,800 ft., with wind velocity over 40 miles per hour for short time. Clouds, strato cumulus, and small cumulus not reached.
		Humidity	55%	66%	75%					
		Wind Velocity, m. per hr.	W by N, 28	W, 30	WNW, 34					
March 14th, 11.0 a.m. to 11.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	30°	[23°]					One kite, 60 sq. ft.; 3,000 ft. wire. Max. height, 2,900 ft. Velocity of cloud shadows, 52 m. per h. Height, 5,500 ft.
		Humidity	65%	65%	[85%]					
		Wind Velocity, m. per hr.	WNW, 25	NW by W, 48	[NW, 50]					
March 14th, 3.20 p.m. to 4.11 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	45°	39°	[32°]					One kite, 52 sq. ft.; about 4,200 ft. wire. Max. height, 3,050 ft. Wind velocities uncertain, as anemometer pen did not work freely, but wind very light. Clouds, strato cumulus and cumulus, not reached.
		Humidity	52%	57%	[75%]					
		Wind Velocity, m. per hr.	NW, 15	NW by N, 20	[NW, 20]					
March 15th, 10.0 a.m. to 10.34 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	46°	40°						One kite, 60 sq. ft.; 2,000 ft. wire. Max. height, 2,200 ft. Temperature, 38°. Overcast. Calm on surface at 9 a.m. Very rough by 1 p.m.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	WSW, 12	W, 45						
March 15th, 3.27 p.m. to 4.42 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	47°	43°						One kite, 52 sq. ft.; 2,560 ft. wire. Max. height, 2 400 ft. Temperature, 41°. Wind, W. by S, 43 miles per hour. Cloud level, 600 ft. (hill tops covered), and raining at beginning and end of flight; about 3.50 p.m. clouds higher and thinner, sun being visible through them.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW, 22	W by S, 38						
March 16th, 9.35 a.m. to 10.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	47°	40°						One kite, 600 sq. ft.; 1,700 ft. wire. Max. height, 1,960 ft. Overcast. Cloud level, 1,700 ft. Very rough.
		Humidity	90%	100°						
		Wind Velocity, m. per hr.	SW, —	SW by W, 50						

* Estimated.

63, Victoria Street, London, S.W. *March 20th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 12. TWELFTH WEEK, ENDING SATURDAY, MARCH 23RD, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Except in the north of Scotland and Ireland the greater part of the week was dry and fine, the sky being generally very free from cloud. A thunderstorm occurred at Lairg on Sunday night, and at Armagh on Tuesday; lightning was observed at some other northern stations early in the week, while on the night of Thursday there was an auroral display in various parts of Scotland, as well as at Dublin and Roche's Point.

Temperature was above the average very generally, the excess being greatest (3·1°) in England E., and least (0·7°) in Scotland N. The highest of the maxima were recorded, as a rule, on Thursday, and ranged from 62° in Ireland South, and 60° in England S., to 56° in Scotland E., and to 51° in Scotland N. The lowest of the minima, which occurred during the latter half of the week, varied from 23° in England S.W. (at Llangammarch Wells), and 25° in England S. and the Midland Counties, to 30° in the north and north-east of Great Britain, and to 35° in the Channel Islands.

Mean Temperature of the Sea.—The water was rather colder than during the preceding week on many parts of the Atlantic seaboard, but warmer elsewhere, the rise being 2° at Eastbourne and Cromarty, and 2·7° at Kirkwall. The actual temperature ranged from about 47° on the south-western coasts of England and Ireland to a little above 40° on the east and north-east coasts of England, and to 39·5° at Cromarty.

Rainfall exceeded the normal in Scotland N., Ireland N., and England N.W., but was less in all other districts.

Bright Sunshine was abundant in all districts except Scotland N. In England S. the percentage of the possible duration was as high as 70, and in England E. and N.E. 67, while elsewhere the percentage ranged from 64 in the Midland Counties and 63 in the English Channel, to 49 in Ireland S. and to 29 in Scotland N.

Barometer and Wind.—During the earlier days of the week the centres of large and deep cyclonic systems travelled eastwards or north-eastwards over our extreme northern districts or on a course not far to the northward of our Islands, the Westerly current of wind being fresh to high generally, and attaining the force of a gale on some parts of our western coasts. After Tuesday, however, the anticyclone over Spain and the Bay of Biscay moved slowly northwards, until by the end of the week it embraced nearly the whole of this country, and the winds, after falling light, became finally variable in direction.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Moderate	Moderate	Light	Moderate	Light	Moderate	Moderate	Light	Heavy	Light	Light
	Sunshine ...	Moderate	Abundant	Very Abundant	Very Abundant	Very Abundant	Very Abundant	Very Abundant	Very Abundant	Abundant	Very Abundant	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 3 weeks from Mar. 3rd, 1907.	Warmth ...	**0***1	**0***1	**1***1	**1***0	**1***0	**1***0	**1***0	**1***0	**1***1	**2***0	**3***0	**1***0
	Rainfall ...	**3***0	**1***0	**0***0	**0***1	**0***0	**0***1	**2***0	**2***0	**0***1	**3***0	**0***2	**0***1
	Sunshine ...	**0***0	**2***0	**3***0	**3***0	**1***0	**2***0	**1***0	**2***0	**1***1	**1***0	**1***1	**1***0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	**2***4	**2***6	**6***4	**4***5	**5***5	**3***6	**3***6	**4***5	**4***7	**3***6	**2***5	**2***6
	Rainfall ...	**8***4	**7***3	**2***5	**1***4	**3***4	**2***2	**7***4	**7***5	**5***6	**7***4	**3***5	**2***4
	Sunshine ...	**2***5	**5***4	**7***4	**5***6	**5***4	**5***3	**5***5	**4***4	**5***4	**2***5	**5***3	**6***6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	**5***4	**5***3	**7***0	**7***3	**6***1	**5***5	**7***4	**6***2	**5***3	**4***4	**7***1	**6***3
	Rainfall ...	**3***7	**3***7	**2***6	**1***7	**1***7	**1***9	**4***5	**2***6	**3***7	**2***6	**3***5	**1***9
	Sunshine ...	**3***2	**4***3	**8***0	**9***1	**7***1	**7***1	**5***2	**6***1	**3***3	**4***3	**5***2	**6***2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	**7***0	**7***0	**6***0	**8***1	**6***1	**5***2	**7***0	**6***2	**5***4	**6***1	**6***1	**7***1
	Rainfall ...	**6***5	**7***3	**4***5	**5***5	**5***5	**6***3	**2***3	**5***5	**3***5	**2***4	**3***6	**3***4
	Sunshine ...	**6***2	**6***4	**7***4	**4***2	**5***5	**5***2	**5***3	**7***3	**6***2	**7***4	**4***4	**4***3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	**5***7	**5***6	**3***6	**2***5	**2***4	**2***5	**5***6	**2***5	**0***7	**4***4	**2***6	**1***7
	Rainfall ...	**4***2	**4***7	**2***6	**3***5	**2***7	**2***8	**3***5	**5***7	**2***5	**3***5	**1***8	**3***7
	Sunshine ...	**1***5	**9***0	**10***1	**4***2	**6***1	**5***1	**5***4	**6***1	**4***3	**3***4	**3***4	**2***4

5906/370 Wy. & S., Ltd. 3—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (12th)—March 17th to 23rd, 1907.

DISTRICTS. (See p. 91.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	51	30	45·7	35·1	40·3	+ 0·7	10	− 3	26	− 3	7	+ 1	1·31	+0·39	25	+ 2	29	+ 2
Eastern																		
1. SCOTLAND, EAST	56	30	48·5	35·2	41·7	+ 1·5	18	− 1	27	− 3	4	0	0·47	−0·02	42	+ 15	50	+18
2. ENGLAND, N.E.	57	30	50·9	36·9	43·7	+ 2·4	33	+ 11	14	− 11	3	− 1	0·28	−0·09	56	+ 28	67	+34
3. ENGLAND, EAST	59	27	53·4	37·0	44·9	+ 3·1	41	+ 13	14	− 13	2	− 2	0·21	−0·17	56	+ 26	67	+31
4. MIDLAND COUNTIES	61	25	52·9	36·7	44·6	+ 2·8	40	+ 12	15	− 12	2	− 1	0·29	−0·08	54	+ 26	64	+31
5. ENGLAND, SOUTH	60	25	53·2	38·0	45·4	+ 2·5	41	+ 13	11	− 9	2	− 1	0·07	−0·33	58	+ 29	70	+34
Western																		
6. SCOTLAND, WEST	58	29	49·5	37·0	43·1	+ 1·7	29	+ 11	14	− 9	4	− 1	0·75	−0·05	45	+ 18	54	+21
7. ENGLAND, N.W.	58	29	49·6	37·8	43·6	+ 1·7	29	+ 8	12	− 8	4	+ 1	0·63	+0·10	46	+ 19	55	+23
8. ENGLAND, S.W.	58	23	52·3	38·1	45·0	+ 1·7	37	+ 10	11	− 5	3	0	0·25	−0·33	48	+ 16	57	+18
9. IRELAND, NORTH	57	26	50·5	36·1	43·1	+ 0·7	32	+ 9	17	− 2	4	0	0·94	+0·32	45	+ 20	54	+23
10. IRELAND, SOUTH	62	27	53·4	38·7	45·8	+ 1·9	40	+ 10	9	− 6	4	0	0·37	−0·29	42	+ 12	49	+15
11. CHANNEL ISLANDS	57	35	52·8	43·7	48·1	+ 2·4	43	+ 11	0	− 6	2	− 2	0·11	−0·36	53	+ 16	63	+19

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 3 Weeks, March 3rd to 23rd, 1907.

0. SCOTLAND, NORTH	57	18	*	*	*	*	21	− 10	97	+ 3	19	+ 3	4·86	+2·04	67	+ 5	28	+ 2
Eastern																		
1. SCOTLAND. EAST	56	10	*	*	*	*	38	− 8	102	+ 4	13	+ 1	1·75	+0·28	103	+ 30	43	+13
2. ENGLAND, N.E.	57	24	*	*	*	*	61	+ 6	81	− 2	14	+ 3	1·01	−0·20	124	+ 50	51	+21
3. ENGLAND, EAST	59	21	*	*	*	*	72	+ 3	76	− 13	12	+ 2	1·00	−0·06	124	+ 42	51	+17
4. MIDLAND COUNTIES	61	18	*	*	*	*	73	+ 3	80	− 9	12	+ 3	1·05	−0·11	101	+ 29	42	+12
5. ENGLAND, SOUTH	60	20	*	*	*	*	80	+ 9	55	− 13	12	+ 3	0·84	−0·41	122	+ 41	50	+17
Western																		
6. SCOTLAND, WEST	58	23	*	*	*	*	56	+ 10	68	− 6	16	+ 3	3·99	+1·56	91	+ 20	38	+ 8
7. ENGLAND, N.W.	58	23	*	*	*	*	60	+ 8	62	− 6	15	+ 4	2·91	+1·31	101	+ 30	42	+12
8. ENGLAND, SW.	58	20	*	*	*	*	78	+ 7	51	− 5	14	+ 3	1·41	−0·41	94	+ 6	39	+ 3
9. IRELAND, NORTH	57	26	*	*	*	*	83	+ 22	39	− 25	16	+ 3	3·73	+1·94	87	+ 19	36	+ 8
10. IRELAND, SOUTH	62	27	*	*	*	*	106	+ 26	15	− 35	16	+ 4	1·67	−0·31	80	+ 1	33	0
11. CHANNEL ISLANDS	57	29	*	*	*	*	97	+ 11	5	− 17	10	− 2	0·74	−0·78	115	+ 16	47	+ 7

THE YEAR.—Aggregates, &c., for the period of 12 Weeks, December 30th, 1906, to March 23rd, 1907.

0. SCOTLAND, NORTH	57	8	*	*	*	*	74	− 17	432	+ 22	67	+ 5	16·94	+4·18	159	+ 7	21	+ 1
Eastern																		
1. SCOTLAND, EAST	58	5	*	*	*	*	106	− 12	483	+ 28	43	− 4	5·19	−1·04	264	+ 69	34	+ 9
2. ENGLAND, N.E.	58	15	*	*	*	*	136	+ 1	423	+ 39	42	− 2	3·29	−1·31	303	+113	38	+14
3. ENGLAND, EAST	59	10	*	*	*	*	118	− 41	455	+ 27	39	− 5	3·64	−0·87	278	+ 56	35	+ 7
4. MIDLAND COUNTIES	61	10	*	*	*	*	139	− 35	457	+ 32	36	− 6	3·51†	−1·80	255	+ 63	32	+ 8
5. ENGLAND, SOUTH	60	16	*	*		*	153	− 36	379	+ 52	34	− 7	3·56	−2·14	281	+ 67	35	+ 8
Western																		
6. SCOTLAND, WEST	58	16	*	*	*	*	131	− 6	332	+ 9	54	+ 1	11·68	+0·24	208	+ 30	27	+ 4
7. ENGLAND, N.W.	58	15	*	*	*	*	120	− 26	352	+ 33	49	+ 2	7·11	−0·15	247	+ 65	31	+ 8
8. ENGLAND, S.W.	58	5	*	*	*	*	158	− 64	339	+ 84	49	+ 2	6·12	−2·73	249	+ 19	31	+ 2
9. IRELAND, NORTH	57	16	*	*	*	*	176	− 10	247	− 34	59	+ 4	8·84	+0·50	204	+ 17	26	+ 2
10. IRELAND, SOUTH	62	11	*	*	*	*	263	− 3	206	− 9	52	+ 2	5·44	−4·11	206	− 9	26	− 1
11. ENGLISH CHANNEL	57	21	*	*	*	*	260	− 45	95	− 6	44	− 9	4·34	−3·09	275	+ 7	33	+ 1

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

† Corresponding Values for some previous weeks slightly altered owing to receipt of further information.

March 17-23, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	47	32	43·7	33·7	38·6	0·0	5	30	7	0·78	+ 0·13	21·7	- 3·3	26	- 4
	Stornoway	49	33	46·9	35·9	41·2	+ 1·2	14	23	7	0·57	- 0·30	30·0	+ 5·0	36	+ 6
0. SCOTLAND, N. — Mainland.	Wick	46	30	43·9	35·4	39·5	- 0·3	5	23	6	0·63	+ 0·17	*	*	*	*
	†Lairg (Strathpeffer) .. 𝔖	51	31	47·6	34·1	40·7	+ 2·7	16	31	7	0·95	+ 0·25	25·9	+ 3·9	31	+ 5
	Glencarron	48	21	44·1	34·4	39·1	+ 0·4	6	27	7	2·85	+ 1·13	*	*	*	*
	Fort Augustus .. .. 𝔖	50	31	46·7	35·3	40·8	+ 0·7	13	25	6	1·22	+ 0·44	21·2	+ 2·7	25	+ 3
	Fort William .. .. 𝔖	50	31	47·2	37·0	42·0	+ 1·0	15	14	7	2·18	+ 0·74	*	*	*	*
1. SCOTLAND, E.	Nairn	53	30	47·9	34·1	40·8	+ 0·5	17	30	5	0·49	+ 0·09	36·0	—	43	—
	Aberdeen .. .. .. 𝔖	59	34	49·0	36·9	42·8	+ 2·4	27	14	5	0·25	- 0·28	43·1	+ 15·1	51	+ 18
	†Balmoral (Crathes) .. 𝔖	50	30	45·3	34·1	39·5	+ 2·9	9	29	5	0·19	- 0·39	41·2	—	49	—
	†Clathick (Balruddery) .. 𝔖	56	31	50·8	34·9	42·6	+ 2·1	34	20	3	0·98	+ 0·34	45·5	—	54	—
	†Leith (Edinburgh) .. .. 𝔖	54	33	49·9	37·7	43·6	+ 1·7	29	12	4	0·60	+ 0·26	37·8	+ 15·9	45	+ 19
	Marchmont .. .. 𝔖	53	30	48·0	33·6	40·6	+ 1·1	17	32	2	0·28	- 0·27	49·4	+ 24·1	59	+ 29
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	55	34	49·4	35·7	42·4	+ 2·0	29	18	4	0·14	- 0·39	53·9	—	64	—
	†Shields (Newcastle)	56	32	49·9	35·3	42·4	+ 1·2	31	19	4	0·06	- 0·31	43·9	+ 22·9	52	+ 27
	Durham	55	30	49·7	35·2	42·2	+ 1·8	30	19	2	0·14	- 0·28	56·1	+ 30·1	67	+ 36
	Scarborough .. .. 𝔐	57	35	52·7	38·3	45·3	+ 3·8	39	10	2	0·09	- 0·31	60·4	—	72	—
	York	56	32	51·9	37·2	44·3	+ 2·7	36	13	3	0·52	+ 0·16	49·3	+ 25·5	59	+ 30
2. ENGLAND, N.E. — Southern part.	Spurn Head	55	37	48·9	39·3	44·0	+ 2·7	25	8	2	0·25	- 0·04	*	*	*	*
	†Lincoln (Skegness)	57	31	53·0	37·0	44·8	+ 2·6	41	14	1	0·48	+ 0·16	59·1	—	70	—
	†Fulbeck (Rauceby)	56	32	52·0	37·3	44·4	+ 2·6	37	13	2	0·54	+ 0·21	56·8	—	68	—
3. ENGLAND, E — Northern part.	Hillington .. .. 𝔐	55	27	51·7	34·4	42·8	+ 0·9	38	21	2	0·33	- 0·05	52·0	+ 25·0	62	+ 30
	†Yarmouth (Lowestoft) ..	55	33	51·4	37·7	44·4	+ 3·4	35	12	2	0·28	- 0·08	58·6	—	70	—
	Geldeston	58	30	53·9	36·5	44·9	+ 2·9	43	15	3	0·36	+ 0·03	56·4	+ 26·7	67	+ 32
	(Cromer)												56·8	—	68	—
3. ENGLAND, E — Southern part.	Cambridge	59	27	53·9	35·7	44·5	+ 2·1	44	18	1	0·18	- 0·12	53·5	+ 24·7	64	+ 29
	Felixstowe	56	30	53·1	37·4	45·0	+ 2·8	40	13	1	0·14	—	58·6	—	70	—
	Clacton-on-Sea	56	32	53·1	37·7	45·2	+ 2·6	40	12	2	0·13	—	60·6	—	72	—
	Rothamsted	56	28	53·1	36·0	44·3	+ 3·0	41	17	3	0·25	- 0·15	57·8	+ 30·3	69	+ 36
	†Shoeburyness (Southend) ..	57	32	54·7	38·1	46·2	+ 3·3	46	11	2	0·13	- 0·13	55·2	—	66	—
	London, Westminster	57	33	55·3	39·1	47·0	+ 3·7	47	8	2	0·07	- 0·28	53·1	+ 36·1	63	+ 43
	(Dunmow)												58·7	—	70	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	55	33	49·9	35·7	42·6	+ 2·3	31	18	4	0·96	+ 0·59	57·1	—	68	—
	†Bawtry (Worksop)	60	30	54·6	37·1	45·6	+ 3·6	46	14	1	0·24	- 0·11	53·2	+ 29·2	63	+ 35
	Nottingham	57	31	53·3	36·9	44·9	+ 2·8	42	14	1	0·59	+ 0·24	48·2	—	57	—
	Colly Weston	58	32	53·6	37·4	45·3	+ 3·1	42	13	1	0·34	+ 0·01	*	*	*	*
	Birmingham, Edgbaston ..	58	35	50·9	38·0	44·3	+ 2·7	33	11	1	0·11	- 0·28	41·4	—	49	—
	Oxford	58	32	54·4	37·6	45·8	+ 3·3	45	12	3	0·12	- 0·23	55·0	+ 28·2	66	+ 34
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. 𝔐	57	33	49·8	35·6	42·5	+ 1·7	30	18	3	0·46	- 0·02	55·7	—	66	—
	Shrewsbury	61	29	52·7	36·3	44·3	+ 1·4	40	16	3	0·09	—	*	*	*	*
	Hereford .. .. .. 𝔐	59	28	55·1	36·7	45·6	+ 3·0	47	15	4	0·12	- 0·24	*	*	*	*
	Cirencester	56	25	52·8	35·3	43·8	+ 2·4	41	19	2	0·16	- 0·28	56·5	+ 28·8	67	+ 34
	Bath	57	29	54·7	37·6	45·9	+ 2·9	46	12	2	0·04	- 0·42	61·1	—	73	—
	(Margate)												58·8	+ 30·0	70	+ 36
5. ENGLAND S.	Kew	56	32	54·0	37·9	45·7	+ 2·9	43	11	2	0·09	- 0·26	60·2	+ 34·8	72	+ 42
	Wisley, Surrey	58	28	55·1	36·9	45·7	+ 3·4	47	14	1	0·01	—	61·3	—	73	—
	†Swarraton (Ventnor) .. 𝔐	57	25	53·8	35·2	44·2	+ 2·7	44	19	2	0·05	- 0·42	56·2	+ 22·7	67	+ 27
	Tunbridge Wells .. 𝔐	56	31	53·0	36·8	44·7	+ 2·7	41	15	2	0·12	- 0·33	62·9	+ 34·1	75	+ 41
	†Dungeness (Littlestone) ..	55	29	51·0	37·6	44·1	+ 1·8	33	12	2	0·08	- 0·22	58·6	—	70	—
	Hastings	54	36	51·9	39·0	45·3	+ 2·4	36	8	2	0·06	- 0·37	61·6	+ 29·8	73	+ 35
	Southampton	60	31	56·9	38·1	47·2	+ 3·2	53	11	2	0·08	- 0·39	61·0	+ 31·0	73	+ 37
	†Portland Bill (Worthing) ..	52	40	49·6	42·6	46·0	+ 1·8	28	0	1	0·07	—	59·2	—	71	—
	(Eastbourne)												61·4	+ 29·4	73	+ 35
6. SCOTLAND, W.	†Laudale (Oban)	51	34	48·1	38·5	43·2	+ 1·3	23	10	4	1·46	+ 0·02	34·1	—	41	—
	Glasgow .. .. .. 𝔖	50	33	47·3	37·2	42·1	+ 1·3	21	13	4	0·77	+ 0·20	41·3	+ 21·1	49	+ 25
	Dumfries .. .. .. 𝔖	57	32	51·4	35·6	43·3	+ 1·8	36	18	4	0·59	- 0·11	*	*	*	*
	Cally .. .. .. 𝔖	58	29	51·3	35·9	43·4	+ 2·1	35	17	4	0·40	- 0·39	*	*	*	*
	Douglas, Isle of Man	51	33	49·6	37·8	43·5	+ 1·4	28	12	4	0·52	- 0·09	59·2	+ 27·7	71	+ 32
7. ENGLAND, N.W.	Aspatria	52	34	48·4	36·6	42·3	+ 1·2	25	15	5	0·65	+ 0·05	43·4	—	52	—
	Newton Rigg	52	29	47·1	33·4	40·1	+ 0·2	14	33	5	0·84	+ 0·20	36·7	+ 10·5	44	+ 13
	Stonyhurst	51	31	47·8	36·9	42·2	+ 1·3	23	14	3	0·88	+ 0·12	46·1	+ 20·6	55	+ 25
	Blackpool .. .. .. 𝔐	52	36	48·4	38·8	43·5	+ 1·8	24	9	3	0·44	- 0·04	54·8	+ 29·4	65	+ 35
	Manchester, Prestwich ..	58	31	50·9	37·1	43·8	+ 2·3	33	14	4	0·89	+ 0·32	42·9	+ 23·1	51	+ 28
	†Liverpool Obs. (Hoylake) ..	54	38	49·9	39·6	44·6	+ 2·1	28	7	2	0·27	- 0·12	51·3	—	61	—
	†Hawarden Bridge (Southport)	57	35	52·3	39·0	45·5	+ 2·3	37	8	4	0·34	+ 0·02	57·0	+ 30·5	68	+ 36
NORTH WALES	Llandudno .. .. 𝔐	54	37	50·3	40·1	45·1	+ 1·6	30	5	2	0·44	- 0·01	46·1	+ 19·9	55	+ 24
	†Holyhead (Aberdovey) ..	51	38	49·1	39·3	44·1	+ 0·7	26	8	4	0·54	+ 0·01	45·6	—	54	—
	Bettws-y-Coed	55	30	51·9	37·6	44·5	+ 1·3	36	12	4	1·04	—	49·2	—	59	—
8. SOUTH WALES	Llangammarch Wells	55	23	50·9	33·5	41·9	+ 0·3	25	34	3	0·43	—	44·1	—	53	—
	Pembroke	50	38	48·9	40·9	44·8	+ 1·5	24	3	3	0·13	- 0·36	45·4	+ 14·4	54	+ 17
	†Cardiff (Aberystwyth)	58	28	54·1	36·3	44·9	+ 1·2	44	16	3	0·32	- 0·32	41·0	—	49	—
8. ENGLAND, S.W.	†Clifton (Torquay)	56	33	53·5	39·7	46·4	+ 3·6	40	6	3	0·12	- 0·42	59·0	+ 26·2	70	+ 31
	†Shaftesbury (Marlborough) 𝔐	54	36	52·2	38·3	45·0	+ 3·8	37	10	2	0·12	- 0·37	44·8	+ 20·1	55	+ 24
	†Arlington (Newquay)	52	30	50·6	36·1	43·1	+ 1·7	32	17	5	0·45	- 0·38	44·4	+ 12·8	53	+ 15
	Cullompton .. .. 𝔐	56	28	54·8	36·6	45·4	+ 1·8	46	15	2	0·20	- 0·35	56·5	+ 28·7	67	+ 34
	Plymouth	57	34	54·0	39·7	46·6	+ 2·2	42	6	2	0·24	- 0·31	51·9	+ 20·9	62	+ 25
	Falmouth	54	39	51·8	41·6	46·6	+ 1·9	34	1	3	0·27	- 0·43	52·9	+ 20·4	63	+ 24
9. IRELAND, N. — Western part.	Malin Head	53	33	47·6	37·7	42·5	0·6	22	12	6	0·72	+ 0·22	*	*	*	*
	Edenfel	54	28	50·4	33·4	41·7	+ 0·9	24	35	4	0·99	+ 0·38	*	*	*	*
	Blacksod Point	53	35	50·0	39·6	44·7	+ 0·6	29	7	4	1·76	+ 0·92	*	*	*	*
	Markree Castle	57	26	52·6	34·5	43·3	+ 1·1	41	21	4	0·86	+ 0·19	43·7	+ 18·7	52	+ 22
9. IRELAND, N. — Eastern part.	Armagh	56	30	52·0	35·1	43·3	+ 1·7	38	19	4	0·49	+ 0·01	46·6	+ 21·9	56	+ 26
	Donaghadee	55	33	50·1	36·4	43·1	+ 0·7	31	16	4	0·81	+ 0·36	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	58	33	53·6	38·6	45·9	+ 1·6	42	10	4	0·92	+ 0·49	49·2	+ 19·9	59	+ 24
	Kilkenny	56	27	52·4	36·0	44·0	+ 0·5	39	17	3	0·10	- 0·38	*	*	*	*
	Waterford	58	29	53·3	36·1	44·5	+ 1·1	42	17	3	0·11	- 0·50	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	58	29	53·1	36·1	44·4	+ 1·8	42	17	4	0·66	+ 0·12	44·0	+ 17·6	52	+ 21
	Foynes	57	35	53·7	38·8	46·0	+ 2·2	41	9	5	0·32	- 0·30	*	*	*	*
	Killarney	62	38	55·6	40·7	47·9	+ 2·9	47	4	4	0·33	- 0·67	*	*	*	*
	Valencia	54	39	53·3	42·7	47·8	+ 2·1	41	0	3	0·36	- 0·58	32·1	+ 2·5	38	+ 3
	†Roches Point (Ballinacurra) ..	58	38	52·0	40·6	46·1	+ 1·2	35	4	6	0·18	- 0·50	40·7	—	49	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	54	44	52·4	44·7	48·4	+ 2·1	45	0	2	0·11	- 0·41	48·5	+ 15·5	58	+ 18
	†Jersey, St. Aubins (St. Heliers)	54	35	52·6	42·7	47·5	+ 2·0	39	0	2	0·16	- 0·35	53·3	+ 18·5	64	+ 22
	Guernsey	57	40	53·5	43·7	48·5	+ 3·1	46	0	2	0·06	- 0·49	55·8	+ 21·2	66	+ 25

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 60·6 hrs., 72 %; Brighton, 52·6 hrs. (+21·3), 63 % (+ 25 %); Bournemouth, 58·2 hrs., 69 %; Bognor, 60·7 hrs., 72 %; Rhyl, 49·3 hrs., 59 %; Tenby, 52·2 hrs. (+ 19·5), 62 % (+ 23 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·1
	Crathes	5	23	38·1	38·1
	Balmoral	6	26	—	—
	Marchmont ..	—	—	39·0	—
2.	Cockle Park	4	26	39·1	39·6
	York	—	—	40·8	40·6
	Hull	3	23	41·1	40·6
	Lincoln	—	—	40·4	40·6
3.	Lowestoft	—	—	42·3	41·8
	Cambridge	4	22	43·2	43·1
	Dunmow	3	20	—	—
	Clacton-on-Sea ..	2	26	43·1	43·8
4.	Harrogate	2	26	40·3	40·5
	Sheffield	2	27	41·0	40·0
	— — ..				
	Birmingham	3	21	42·0	43·0
	Nottingham	3	26	41·4	39·8
	— — ..				
5.	Kew	4	19	43·8	43·6
	Canterbury	2	25	43·0	43·4
	Portsmouth	2	22	44·9	45·3
	Wisley	—	—	43·2	43·2
6.	— — ..				
	Glasgow	1	30	—	—
	— — ..				
7.	Newton Rigg ..	2	21	40·6	40·2
	Southport	2	24	43·2	41·9
	Manchester City ..	0	31	41·3	41·4
	Bettws-y-Coed ..	1	29	42·4	43·0
	— — ..				
8.	Llangammarch Wells	4	15	42·3	42·6
	Bath	—	—	45·1	44·5
	Plymouth	3	22	46·1	—
	— — ..				
9.	Armagh	2	25	43·0	43·6
	Markree Castle ..	4	20	—	—
10.	Dublin, Trin. Coll. ..	2	26	44·5	44·7
11.	Guernsey, Brooklyn	1	29	46·7	45·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	42	42	42·0
	Kirkwall	42	39	40·7
	Wick	43	42	42·4
SCOTLAND, E.	Cromarty	40	38	39·5
	Pennan Bay	41	39	40·4
	Aberdeen, Cove Bay ..	42	41	41·5
ENGLAND, N.E.	Burnmouth, Berwick ..	41	39	40·1
	Scarborough	43	38	40·8
ENGLAND, E.	Shipwash Lightship ..	41	39	40·1
ENGLAND, S.E.	Eastbourne‡	43	40	42·1
SCOTLAND, W.	Lamlash	44	43	43·7
	Ballantrae	45	43	43·9
ENGLAND, N.W.	Port Erin	45	44	44·0
ENGLAND, S.W.	Newquay	49	47	47·5
	Plymouth‡	47	46	46·6
	Salcombe	46	44	44·9
IRELAND, N.W.	Sheephaven	46	43	45·0
	Ballyglass	50	43	46·1
IRELAND, S.W.	Cleggan	49	45	46·3
	Seafield	50	44	47·4
IRELAND, E.	Kingstown‡	44	42	43·1

‡ Only one observation each day.

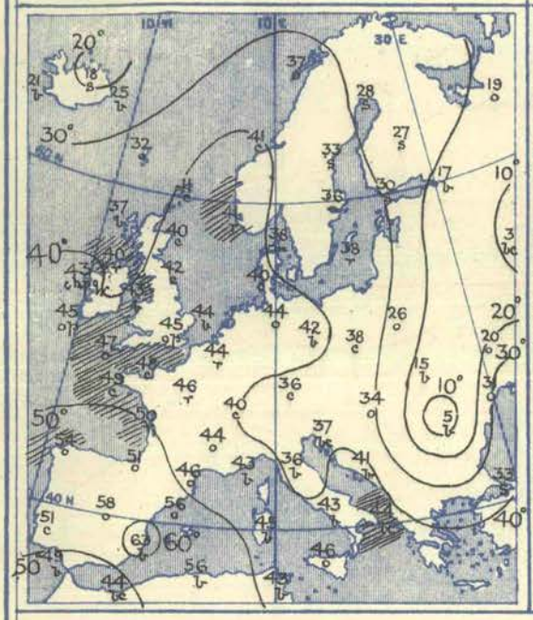
CORRECTIONS AND ADDITIONS FOR FEBRUARY, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0·5° in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

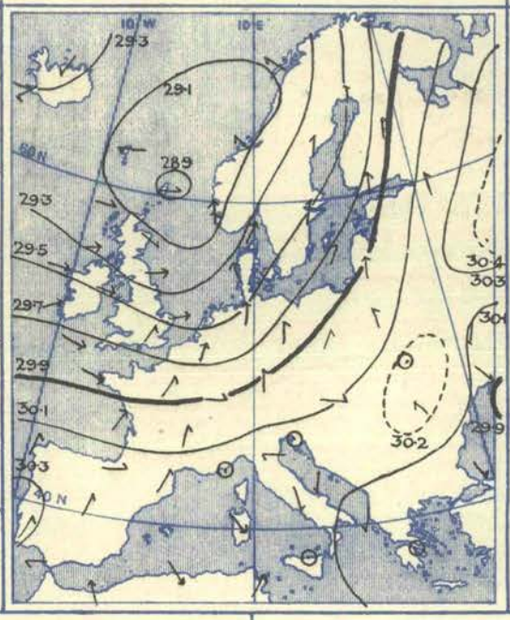
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each Day.	Mean for the Week. For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 6, p. 42	1. Scotland, East	—	—	—	—	—	—	—	—	—	0·23	−0·30	—	—	—	—
No. 8, p. 58	4. Midland Counties ..	—	—	—	—	—	—	—	—	—	0·45	+0·05	—	—	—	—
Station Values.—Additions.																
No. 6, p. 43	Sheffield	—	—	—	—	—	—	—	—	—	—	—	14·0	—	22	—
No. 8, p. 59	Lincoln	53	23	44·5	33·1	38·3	−1·2	7	36	3	0·31	−0·08	—	—	—	—
No. 9, p. 67	Marchmont .. .. S	56	24	50·4	33·7	42·1	+3·9	36	23	—	—	—	—	—	—	—
No. 9, p. 67	Colly Weston	—	—	—	—	—	—	—	—	0	0·00	−0·38	—	—	—	—
Station Values.—Corrections.																
No. 6, p. 43	Stornoway	—	—	—	—	—	—	—	—	—	—	—	21·5	+ 8·1	36	+13
No. 6, p. 43	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	28·6	+15·2	48	+25
No. 6, p. 43	Aberdeen	—	—	—	—	—	—	—	—	3	0·19	−0·35	—	—	—	—
No. 6, p. 43	Birmington, Edgbaston ..	—	—	—	—	—	—	—	—	3	0·17	−0·27	—	—	—	—
No. 6, p. 43	Cheadle .. .. .. M	—	22	—	27·9	32·5	−4·9	—	67	—	—	—	—	—	—	—
No. 7, p. 51	Wick	—	—	—	—	—	—	—	—	3	0·55	+0·03	—	—	—	—
No. 7, p. 51	Scarborough .. .. M	—	33	—	35·5	40·1	+0·9	—	25	—	—	—	—	—	—	—
No. 7, p. 51	York	—	—	—	—	—	—	—	—	—	—	—	17·7	+ 3·6	26	+ 5
No. 7, p. 51	Yarmouth	—	—	—	—	—	—	—	—	6	0·70	+0·33	—	—	—	—
No. 7, p. 51	Falmouth	—	—	—	—	—	—	—	—	—	0·74	−0·19	—	—	—	—
No. 8, p. 59	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	20·9	+ 4·1	31	+ 6
No. 8, p. 59	Glencarron .. .. S	—	—	—	29·6	—	−2·3	—	50	—	—	—	—	—	—	—
No. 8, p. 59	Hereford .. .. M	—	—	—	—	—	—	—	—	5	0·40	−0·09	—	—	—	—
No. 9, p. 67	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	14·3	− 3·5	20	− 5
No. 9, p. 67	Hereford .. .. M	54	—	49·4	—	40·2	−0·9	21	—	—	—	—	—	—	—	—
No. 9, p. 67	Llandudno .. .. M	—	—	—	38·0	42·7	+0·1	22	11	3	0·04	−0·45	—	—	—	—
No. 9, p. 67	Markree Castle	—	—	—	—	—	—	—	—	—	0·06	−0·65	—	—	—	—
Station Values—Additions. EARTH TEMPERATURES.														1 ft.		4 ft.
No. 8, p. 60	Lincoln	—	—	—	—	—	—	—	—	—	—	—	—	36·4	—	38·6
No. 9, p. 68	Marchmont	—	—	—	—	—	—	—	—	—	—	—	—	35·7	—	—

Sunday, 17th March, 1907.

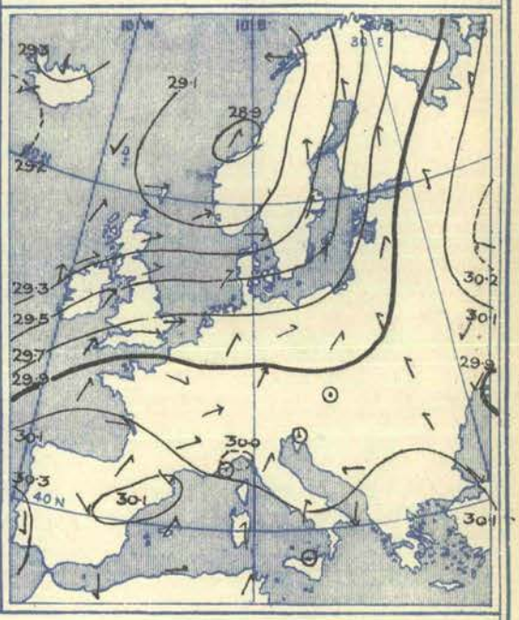
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. changeable and unsettled over the northern and north-western regions generally, with rain or snow in many places, but with clear sky in others. Mostly fine and bright over the Mediterranean region and on the shores of the Adriatic, but snow falling at Constantinople. More than an inch of rain experienced later at Blacksod Point and 0·79 in. at Brussels. Small quantities of precipitation occurring in many other localities.

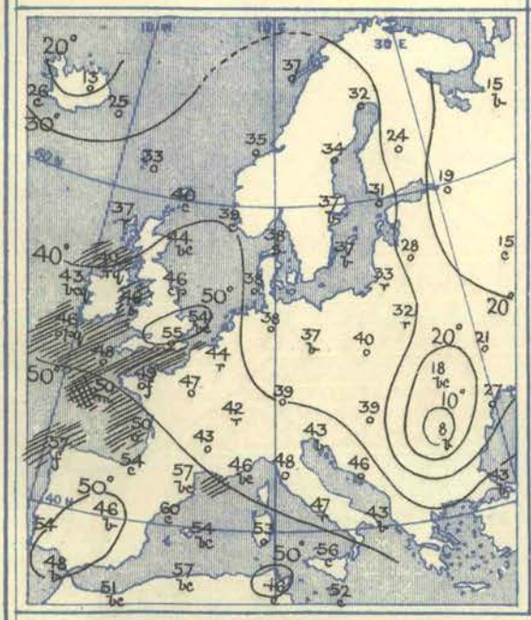
Temperature fallen over these Islands, risen in many Continental districts. Readings in morning ranging from about 50° on the west coast of France and on the coasts of the Spanish Peninsula to about 40° at many of our own stations, and to much below the freezing point in the east and north-east of our area. Lowest readings, 5° at Hermanstadt and 3° at Moscow. Rising later to 68° at Algiers, to a few degrees above 60° at many other southern stations, and to 55° in London and at Bath. Maximum only 53° at Brindisi and 46° at Constantinople.

Wind at 8 a.m. showing an extensive cyclonic circulation over the north-western half of our area; Westerly current moderate to high over our Islands, and that from the Southward fresh to strong on the eastern shores of the North Sea. A gale prevailing at Skudesnaes. Light winds from various directions over the Mediterranean. Backing to the Southward or South-Westward by evening along our western coasts, but veering and decreasing in force on the south coast of Norway.

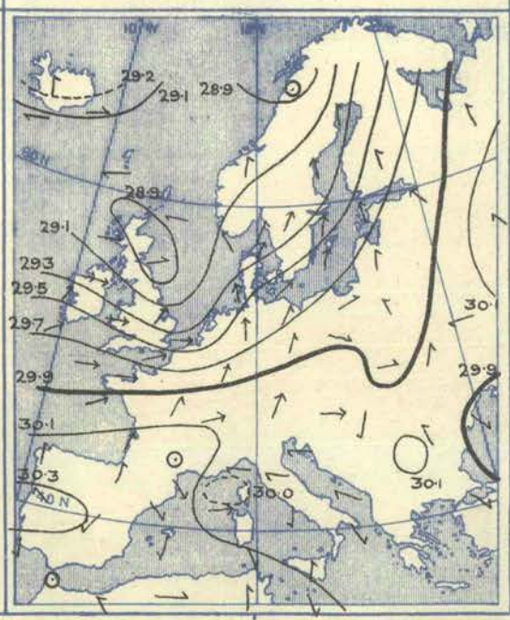
Barometer in morning above 30·4 ins. over central Russia and above 30·3 ins. in Portugal. Below 29·9 ins. in a depression over the Black Sea, and less than 28·9 ins. in an important system over Shetland. Latter disturbance travelling north-eastwards during day, but a fresh fall of the mercury commencing on our west coasts and extending quickly eastwards and northwards. Black Sea depression maintaining its position, but barometer falling somewhat in central Russia.

Monday, 18th March, 1907.

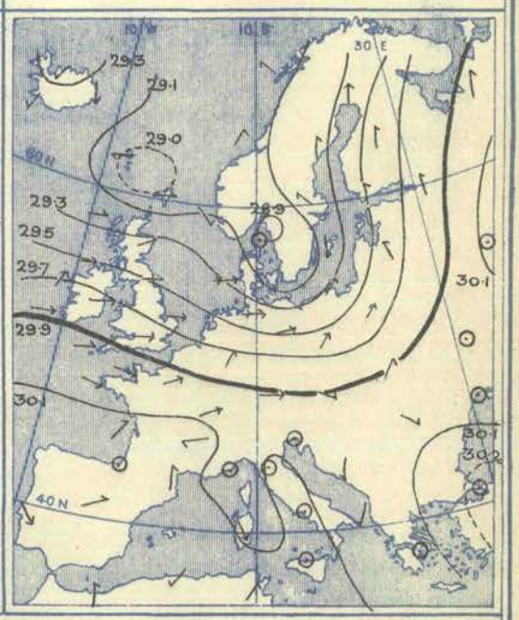
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy at Naples, but fine and bright over the south of Europe generally, unsettled elsewhere, with rain at Belfort and Brussels, and rain or snow at several stations further to the north. Rain or showers falling at our own northern and north-western stations, but conditions fine or fair in nearly all parts of England. Small or moderate quantities of rain or snow experienced later in most parts of our Islands and in various Continental regions.

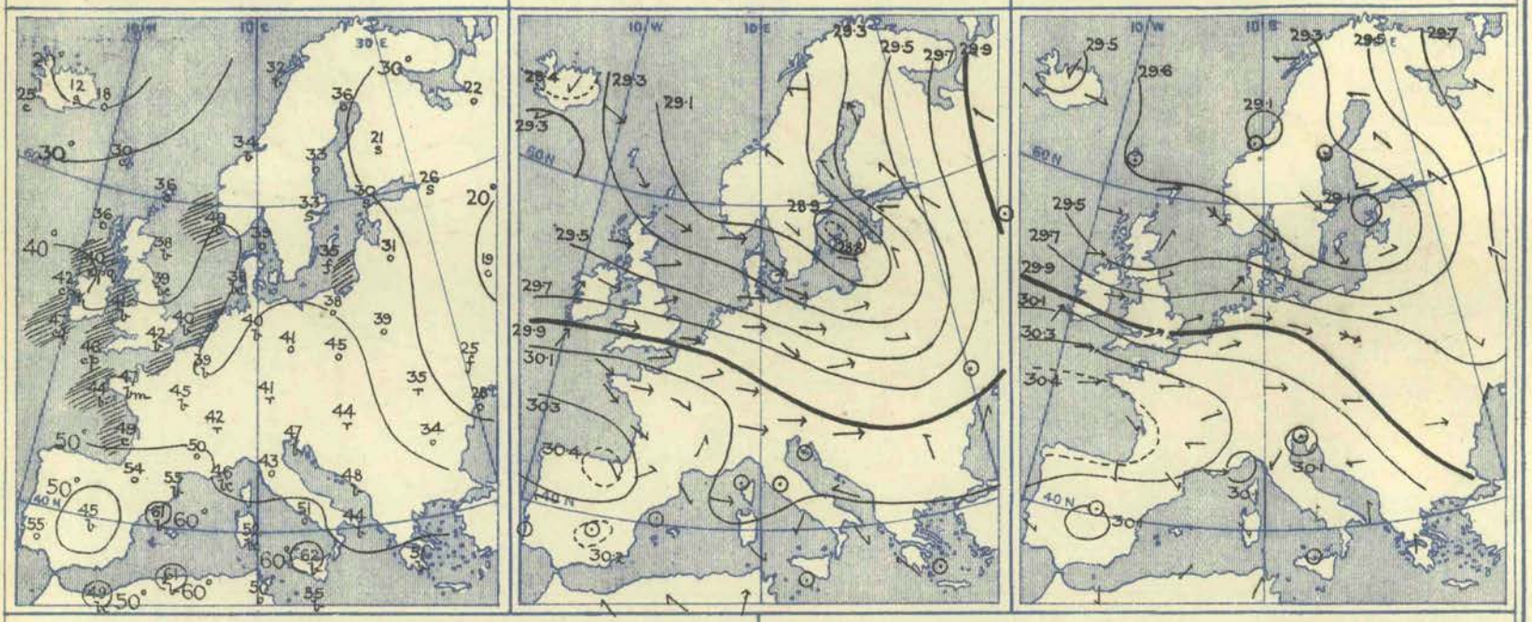
Temperature risen as a whole. Morning readings as high as 60° at Barcelona, 57° at Algiers, 55° in London, and 54° at Yarmouth. Below 32° in the east and north-east of Europe, and as low as 8° at Hermanstadt. Rising to above 70° during day in Algeria, at Madrid and Perpignan, and to above 60° in many other southern regions. Thermometer falling to touch 50° at some stations in central Europe, but rising to 57° in the south-east of England.

Wind in morning strong or high from the Westward over nearly all parts of these Islands, with a gale at Malin Head. Strong to a gale from the South-Westward over the Netherlands and fresh to strong from the Southward over Scandinavia. Light and variable, but mainly cyclonic, winds prevailing over the Mediterranean. Veering to the Westward and increasing in force over Denmark and North Germany by evening, but some decrease in force taking place in these Islands.

Barometer in morning above 30·3 ins. at Oporto and above 30·2 ins. in central Russia; below 28·9 ins. in a depression having its minimum over Scotland and also in another system in the far north of Norway. Gradients steep over our Islands and their immediate neighbourhood. Mercury rising decidedly over our Islands during day and falling briskly over the Cattegat and the surrounding region. Gradients decreasing over this country, increasing over North Germany and Denmark.

Tuesday, 19th March, 1907.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.



Weather at 8 a.m. fine and bright in many parts of England and over the Mediterranean region; unsettled generally elsewhere, with rain in various parts of central Europe, and rain or snow on the shores of the Baltic. Snow falling in the north of Scotland. About half an inch of rain occurring later at some stations in the central parts of England and at Birr Castle and Donaghadee, with thunder and lightning at the last-named station. A considerable fall of rain also experienced at the Helder.

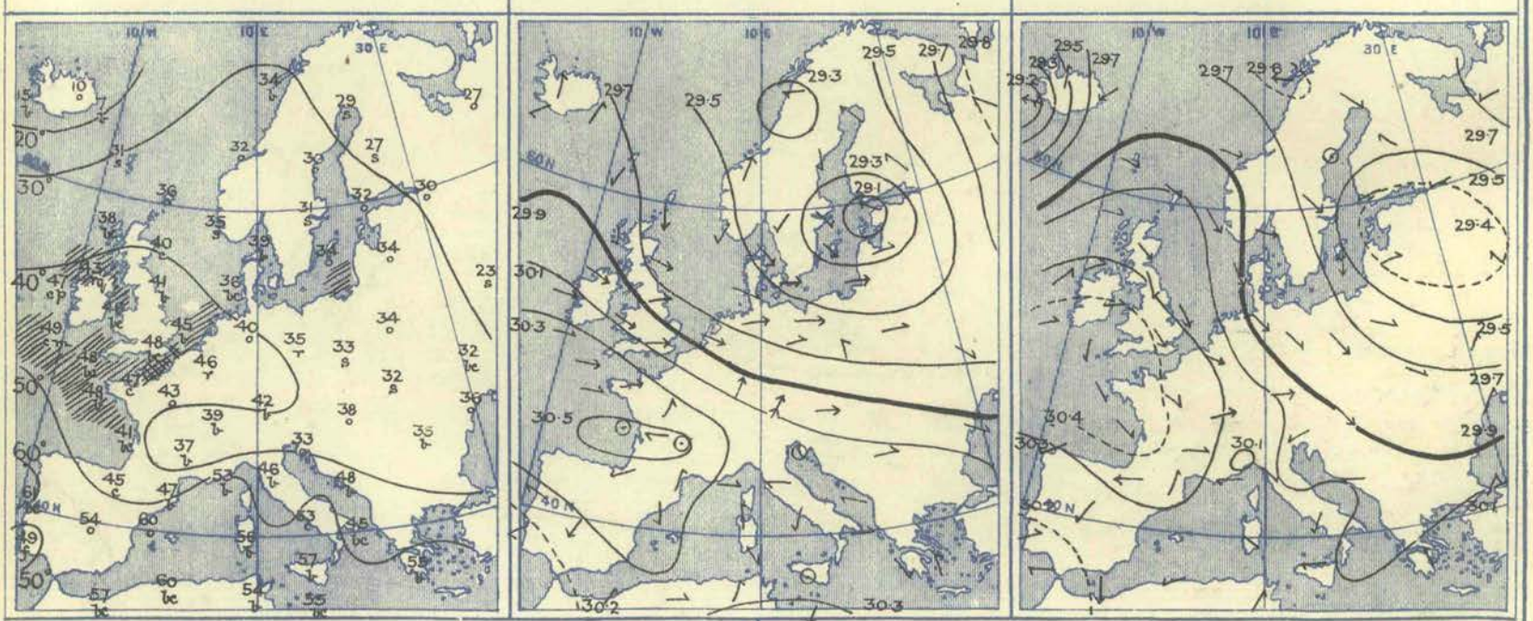
Temperature fallen over the United Kingdom, risen in most other regions. Readings in morning above 50° at many southern stations and above 60° in places. Below 32° in the north and north-east of our area. Maxima during day 70° at Algiers and Cagliari, and as high as 75° at Madrid. Thermometer failing to reach 50° in various parts of central Europe and these Islands, but rising to 55° at Bournemouth.

Wind in morning fresh or strong from the Westward over the greater part of our Islands and the central countries of Europe, and drawing into the Southward or South-Eastward in the north of Russia and Scandinavia. Light variable breezes prevailing over the south of our area. Increasing in force by evening over England, and blowing a gale during night on many parts of our coast.

Barometer in morning above 30·3 ins. over the Bay of Biscay, and below 28·8 ins. in a deep depression having its minimum near Stockholm. Gradients steep over a considerable portion of Europe and rather steep over the United Kingdom. A small secondary depression causing a fall of the barometer over our northern districts during day, and gradient increasing over England. Swedish disturbance travelling slowly eastwards and apparently becoming less deep.

Wednesday, 20th March, 1907.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.



Weather at 8 a.m. fair or fine over the greater part of these Islands and southern Europe, cloudy or overcast elsewhere, with rain or snow at Thorshavn and at many stations in the central and north-eastern part of our area. Some rain also falling in the north-west of Ireland. Day very bright over the United Kingdom, and little precipitation experienced except over Austria and Germany.

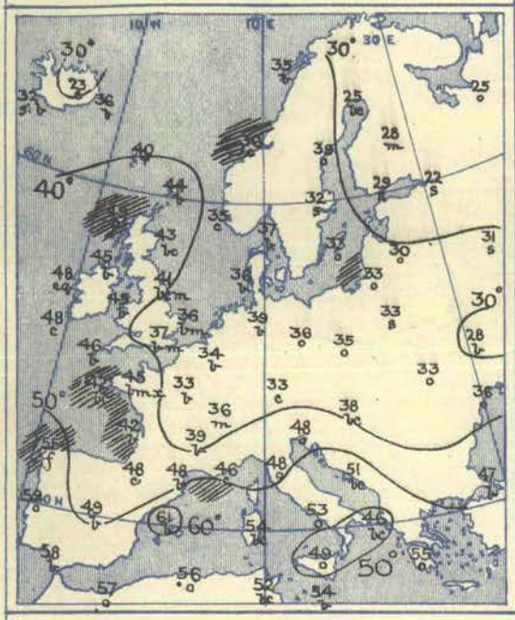
Temperature risen over this country and Russia, fallen in most other regions. Readings in morning ranging from about 45° over England to about 60° at many stations in the far south and south-west, and to below 32° in the extreme north and north-east. Maxima during day 72° at Algiers and Madrid, and only a few degrees lower in many other southern localities, and between 55° and 58° over our own southern districts, but thermometer remaining below 50° in most parts of Germany and Poland.

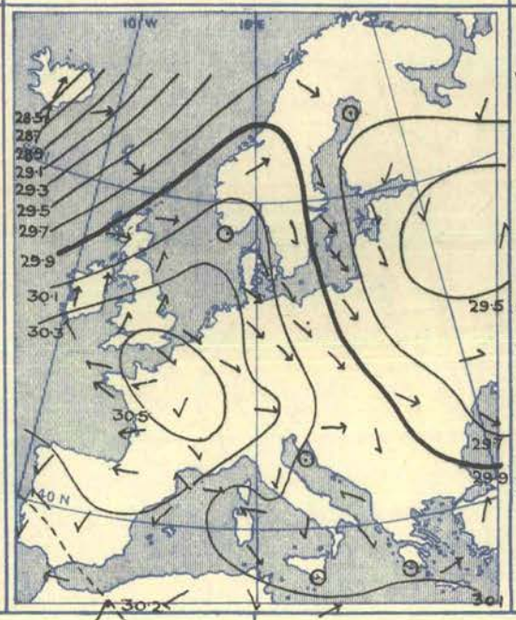
Wind in morning strong or high from the North-Westward or Westward over these Islands and the central countries of Europe, light and variable over Italy and the Mediterranean. A cyclonic circulation prevailing over the Baltic Provinces and their vicinity, and a light air from the North-Eastward at Reykjavik. An Easterly gale setting in on the coast of Iceland during day, but wind decreasing in force over these Islands and backing towards the South-Westward on our west coasts. A fresh Northerly gale springing up at Wisby.

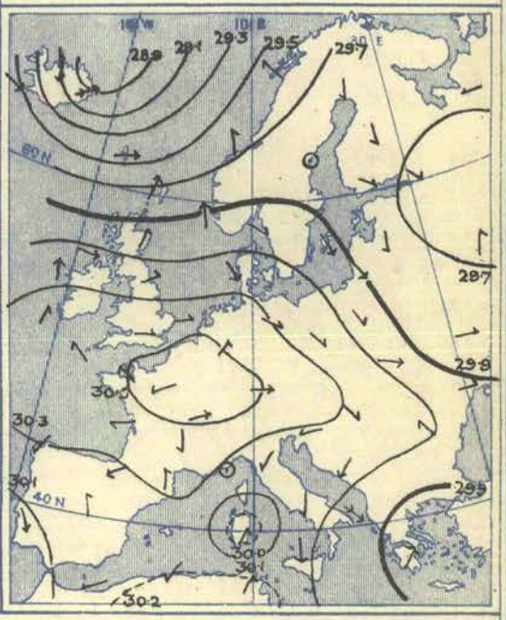
Barometer in morning 30·4 ins. to above 30·5 ins. in an anticyclone extending from the Atlantic to the east of France. Low over the Scandinavian region generally, and as low as 29·08 ins. at Hango. Relatively low to the westward of Iceland. Anticyclonic system spreading northwards and embracing a considerable portion of the United Kingdom by evening, but a fresh depression causing a very brisk fall of the barometer in Iceland. Depression in north-east travelling eastwards.

Thursday, 21st March, 1907.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather at 8 a.m. very fine and bright in nearly all parts of our Islands and France, as well as in the south of our area. Less settled, with rain or snow in places, over the east and north-east of Europe. A thunderstorm, with snow, reported at Reykjavik. Continuing very fine and bright generally, but a little rain falling at night at our northern and western stations, and small amounts also occurring in a few Continental localities. Aurora seen at night at some stations in Ireland, Scotland, and Sweden.

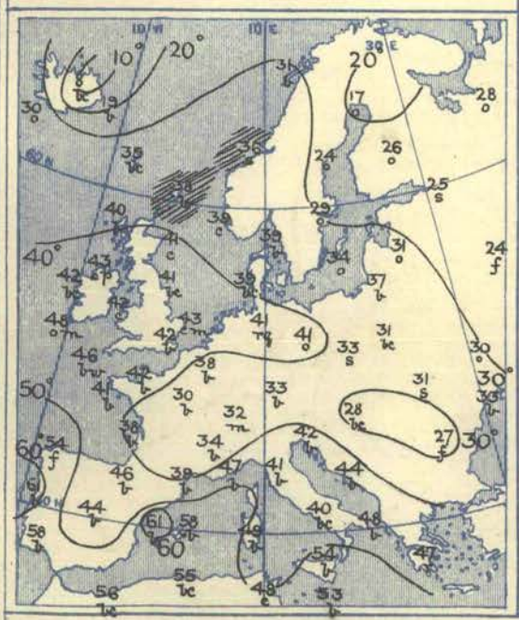
Temperature fallen over England, France, and the Netherlands, changed irregularly or risen elsewhere. Readings in morning below 40° over the major portion of the Continent and England, and below 32° in the far north-east. As high as 48° or 49° on our west and south-west coasts, and above 55° at a few stations in southern Europe. Rising during day to between 55° and 58° in many parts of England and Ireland, to above 60° over southern Europe, and to 70° or above in places. Maxima again low over the central countries.

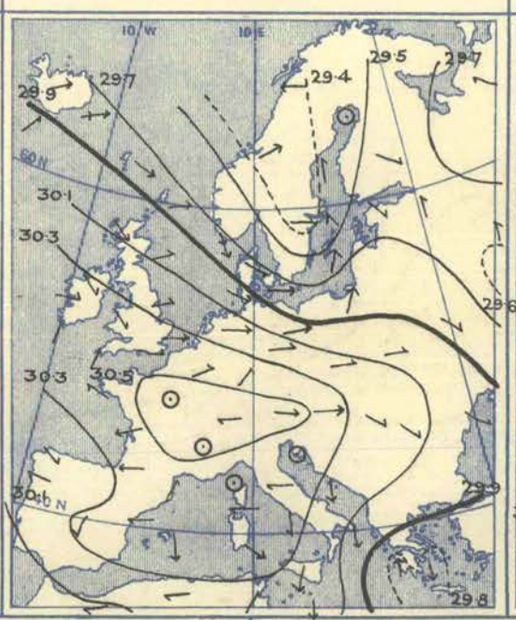
Wind in morning circulating anticyclonically over the west of our area and cyclonically in the east. Northerly current strong to a gale over the Baltic. High or strong winds from between South and West over the Icelandic region. Veering to the Westward or North-Westward later in the latter region and blowing a gale. Little change as a whole, but a North-Westerly gale setting in at Brindisi by evening.

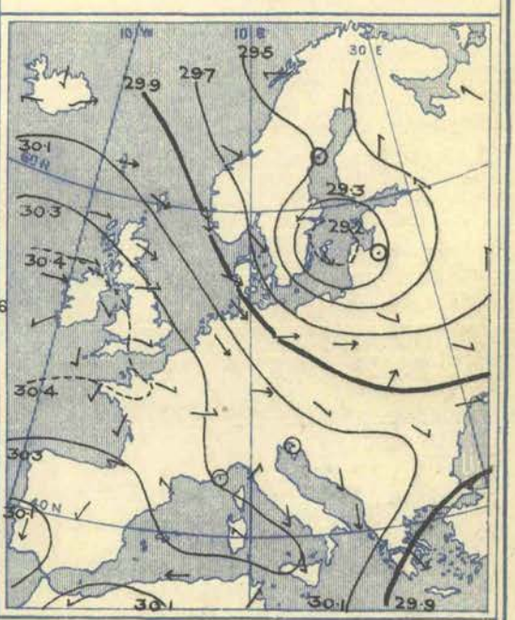
Barometer in morning ranging from above 30·5 ins. in the central portion of an anticyclone over France and the south of England, to below 29·5 ins. in a large depression over Russia, and to 28·5 ins. in a very extensive disturbance to the north-westward of Iceland. Very little change taking place in the general distribution of pressure during day, but Icelandic depression travelling eastwards, and some disturbances appearing in the south and south-east of our area.

Friday, 22nd March, 1907.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather at 8 a.m. fair or fine in nearly all parts of southern Europe, but rainy at Athens and foggy at Corunna. Unsettled over the more northern countries, with rain at a few of our own stations, and with rain or snow in several Continental localities. Heavy rain (1·4 in.) occurring later at Constantinople and half an inch at Athens; smaller quantities of rain or snow experienced in various parts of central Europe, and slight rain in Ireland and Scotland.

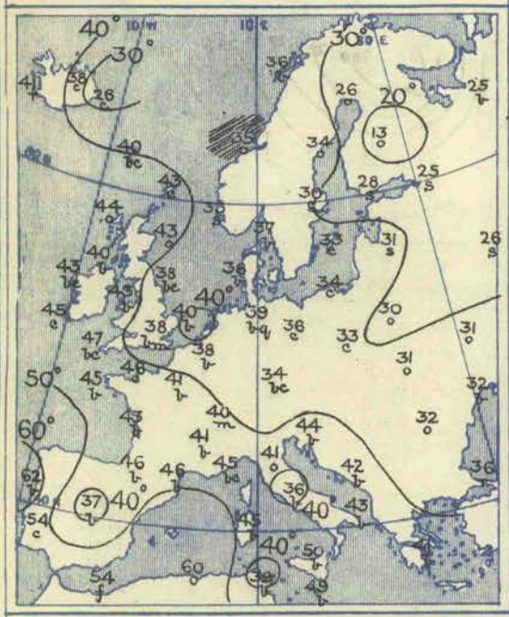
Temperature fallen as a whole, risen in the south and south-east of England. Readings in morning above 60° at some stations in the Spanish Peninsula and above 50° in Algeria and Sicily. Below 40° over the major portion of the Continent and below 32° in many districts. Rising later to 70° or above in different parts of the Iberian Peninsula and over the south-west of France, but remaining below 60° in Italy and below 50° in Austria and most of Germany. Maxima above 56° at some of our own stations.

Wind in morning blowing a North-Westerly gale on the south-west coast of Norway, and with little force from that quarter over our Islands; drawing into South-West and blowing freshly over the Baltic. A moderate to strong Northerly breeze prevailing over the south of our area. Strong winds or gales experienced later over Denmark, the Baltic, and the south of Scandinavia. Wind veering more to the Northward over this country, but continuing light.

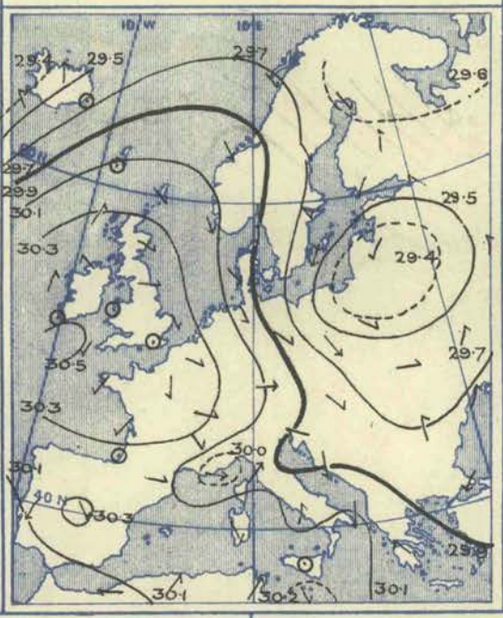
Barometer in morning ranging from above 30·5 ins. in an anticyclone having its maximum over the east of France to below 29·8 ins. over Greece, less than 29·6 ins. in a depression over Russia, and to below 29·4 ins. in a large disturbance extending from the northward and covering most of Scandinavia. Latter system apparently moving south-eastwards later and becoming much modified in form. Highest pressure becoming transferred to Ireland and Wales, and gradients increasing over Denmark and the Baltic.

Saturday, 23rd March, 1907.

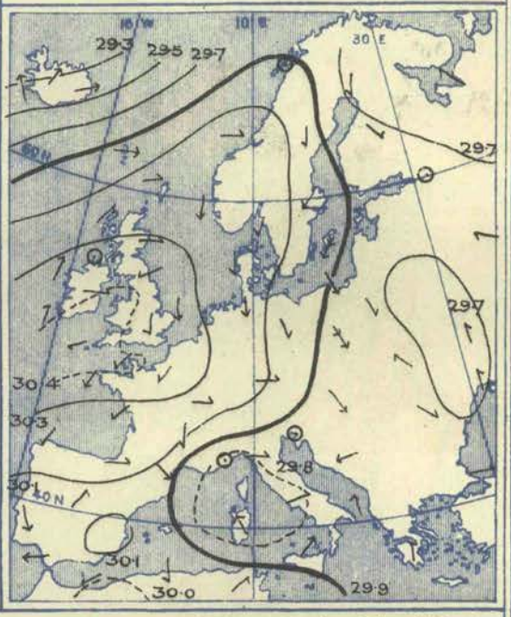
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. generally very fine in the west and south of our area, and unsettled, with rain or snow in places, in the north and east. Rain falling at Reykjavik. Continuing very fine and bright over our Islands and in most other regions, but rain falling at Patras, 0·8 in. of rain or snow at Kharkoff, and slight precipitation reported in various other parts of Russia, as well as at some stations in the central countries.

Temperature changed irregularly. Readings in morning 62° at Oporto, 60° at Algiers, and above 50° at a few other southern stations. As low as 13° at Kuopio, below 32° over the east and north of Europe generally, and below 40° over the central countries and at many of our own stations. Thermometer above 40° over the greater part of Iceland. Maxima during day below 45° in several parts of Germany and central Europe, but some degrees above 50° at many of our own stations, and above 60° in the south of our area. Highest values, 72° at Perpignan and 73° at Madrid.

Wind in morning showing a very extensive cyclonic circulation over Russia and its neighbourhood, and a smaller one around the Gulf of Genoa. Northerly current strong to a gale over the Baltic and North Germany. A light to moderate anticyclonic movement prevailing over the United Kingdom and the regions immediately surrounding. Wind Southerly in Iceland. Scarcely any change during day.

Barometer in morning above 30·4 ins. over most of these Islands; decreasing to less than 29·4 ins. in a large depression over East Prussia and the adjacent portion of Russia. Relatively low over the Gulf of Genoa and to the westward of Iceland. Very little change occurring during day in the general distribution of pressure, but Russian depression becoming less deep, and that over the Gulf of Genoa increasing in depth. Pressure giving way somewhat over our Islands, and rather decidedly at Seydisfjord.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
March 18th, 2.44 p.m. to 3.53 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	55°	45°	38°					One kite, 52 sq. ft.; wire, 5,025 ft. Max. height, 3,900 ft.; temp., 35°; humidity, 80°/₀. Wind, 37 to 40 m. per h. Clouds, cirrus and cumulus, not reached.
		Humidity	50%	55%	70%					
		Wind Velocity, m. per hr.	WSW, 30	W, 32	W ½ S, 32					
March 18th, 3.15 p.m. to 3.49 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	49°	42°	[33°]					One kite, 60 sq. ft.; 3,000 ft. wire. Max. height, 3,000 ft. Very rough. Cloud velocity by shadows, 50 m. per h. Height, 6,000 ft.
		Humidity	63%	70%	[80%]					
		Wind Velocity, m. per hr.	W, —	W, 42	[W, 50]					
March 19th, 2.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Cloud shadows, 55 miles per hour; height, 4,500 ft. Kite sent up without instruments.
		Humidity								
		Wind Velocity, m. per hr.	—	—	—	W, 55				
March 19th, 3.30 p.m.	Ditcham Park, Petersfield.	Temperature F.								Velocity of cloud shadows, 56 m. per h. Height, about 5,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	—	—	—	W by S, 56				
March 20th, 11.41 a.m. to 11.50 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; uniform ascensional velocity of 650 ft. per min. assumed. Wind velocity between 30 and 40 m. per h. up to 4,000 ft.; above increasing regularly to 52 m. per h. at 6,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	NW by W ½ W, 32	NW ½ W, 40	NW ½ N, 38	NW by N, 44				
March 20th, 3.0 p.m. to 4.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	52°	48°	37°					One kite, 60 sq. ft.; 5,000 ft. wire. Max. height, 4,900 ft.; temp., 31°. Very strong but steady wind. Clouds at 11 a.m., 55 m. per h.; height, 6,000 ft.
		Humidity	60%	60%	70%					
		Wind Velocity, m. per hr.	NW, 25*	NW, 40	NW by N, 45					
March 21st, 4.30 p.m. to 5.50 p.m.	Brighton, 380 ft.	Temperature F.	45°	42°						One kite, 77 sq. ft.; 4,200 ft. of wire out. Max. height, 2,150 ft.; temp., 40°; humidity, 30°/₀. Temp. inversion at 500 ft. Clear sky throughout.
		Humidity	85%	55%						
		Wind Velocity, m. per hr.	W by S, 10*	WSW, 23						
March 22nd, 9.50 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	52°	48°	44°	38°				Two kites, 137 sq. ft.; 10,000 ft. wire. Max. height, 5,900 ft. Lower clouds at 3,300 ft., upper layer not reached. The sky became overcast during ascent, and the temperatures down to 500 ft. were much lower in the latter half. The wind veered 2 points at the same time.
		Humidity	90%	95%	80%	100%				
		Wind Velocity, m. per hr.	W, —	WNW, 25	WNW, 25	NW by W, 25				
March 23rd, 3.18 p.m. to 4.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	45°	37°						One kite, 77 sq. ft. Clear sky. Light, variable breezes.
		Humidity	75%	77%						
		Wind Velocity, m. per hr.	NW by N, —	NW by N, 19						
March 23rd, 4.50 p.m. to 4.58 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; uniform ascensional velocity of 650 ft. per min. assumed. Wind velocity very uniform, veering up to 5,000 ft., apparently backing slightly above.
		Humidity								
		Wind Velocity, m. per hr.	N ½ E, 9	N by E, 13½	NE ½ N, 18	NE by E, 12				

* Estimated.

63, Victoria Street, London, S.W. *March 27th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 13. THIRTEENTH WEEK, ENDING SATURDAY, MARCH 30TH, 1907. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was extremely fine over the greater part of the Kingdom, the only rain experienced being slight falls in Ireland and the far N.W. and N. of Scotland. Mist or fog occurred very frequently over England in the night and early morning hours, and in the central parts of London it continued on Monday and Saturday throughout nearly the whole day.

Temperature exceeded the average, the excess being large in all the northern districts. The highest of the maxima were mostly recorded towards the end of the week, and ranged from 70° in England E., and 69° in the Midland Counties to 63° in Ireland N. The lowest of the minima, which occurred either at the beginning of the week or on Wednesday, ranged from 23° in Scotland E. and England S.W., to 35° in the English Channel, and to 36° in Ireland N. On several occasions when the wind blew from the sea the maxima on the east coast of England were much lower than those a little way inland.

Mean Temperature of the Sea.—The mean readings show a very general and rather decided rise. The actual values ranged from 49·3° at Seafield, 48·7° at Ballyglass, and 47·8° at Newquay to 42° or less at some stations on the north-east coasts, and to 41° at Shipwash Lightship.

Rainfall.—Except in Ireland and in Scotland N. the week was quite rainless.

Bright Sunshine was exceptionally prevalent in most parts of England, the percentage of the possible duration ranging from 79 in England S., 76 in England E., and 75 in England S.W. to 69 in the Midland Counties and 68 in England N.W. Over Ireland and Scotland it ranged from 54 in Ireland S., and 51 in Scotland E. to 36 in Scotland N. In the English Channel district the percentage was as high as 84.

Barometer and Wind.—During the greater part of the period these Islands were under the direct influence of an anticyclone, and the winds, at first light and variable, subsequently became South-Westerly to Westerly in the N. and mainly Easterly in the S. By Friday, however, the central portion of the high pressure system had passed on to the Continent, and a Southerly current of wind became rather more pronounced on our W. and N.W. coasts. At the end of the week the barometer was still falling very generally, but owing to the presence of small and shallow irregularities of pressure, which had no effect on the weather, the winds over England and Ireland varied much in direction.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 100.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Unusual
	Rainfall ...	Light	Nought	Nought	Nought	Nought	Nought	Nought	Nought	Nought	Moderate	Light	Nought
	Sunshine ...	Moderate	Abundant	Very Abundant	Very Abundant	Very Abundant	Very Abundant	Moderate	Very Abundant	Very Abundant	Abundant	Abundant	Very Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 4 weeks from Mar. 3rd, 1907.	Warmth ...	1 * 1	1 * 1	2 * 1	2 * 0	2 * 0	2 * 0	2 * 0	2 * 0	2 * 1	3 * 0	4 * 0	2 * 0
	Rainfall ...	3 * 1	1 * 0	0 * 0	0 * 1	0 * 0	0 * 1	2 * 0	2 * 0	0 * 1	3 * 0	0 * 3	0 * 1
	Sunshine ...	0 * 0	3 * 0	4 * 0	4 * 0	2 * 0	3 * 0	1 * 0	3 * 0	2 * 1	2 * 0	2 * 1	2 * 0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 99.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (13th)—March 24th to 30th, 1907.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	66	34	53·7	41·2	47·3	+ 7·2	40	+ 24	2	- 26	3	- 1	0·28	- 0·54	32	+ 4	36	+ 5
Eastern																		
1. SCOTLAND, EAST	66	23	58·1	38·7	48·1	+ 7·4	57	+ 35	9	- 20	0	- 4	0·00	- 0·50	45	+ 16	51	+18
2. ENGLAND, N.E.	67	28	61·0	36·2	48·2	+ 6·4	68	+ 45	16	- 7	0	- 3	0·00	- 0·38	60	+ 30	68	+34
3. ENGLAND, EAST	70	26	56·5	53·2	44·5	+ 1·7	54	+ 24	25	+ 1	0	- 3	0·00	- 0·36	67	+ 33	76	+38
4. MIDLAND COUNTIES	69	24	62·8	33·1	47·5	+ 4·8	76	+ 44	25	0	0	- 4	0·00	- 0·39	61	+ 31	69	+35
5. ENGLAND, SOUTH	68	25	58·0	34·9	46·1	+ 2·1	59	+ 27	20	+ 4	0	- 3	0·00	- 0·36	69	+ 36	79	+41
Western																		
6. SCOTLAND, WEST	65	29	55·1	39·2	46·9	+ 5·0	46	+ 25	8	- 14	0	- 4	0·00	- 0·77	36	+ 4	41	+ 5
7. ENGLAND, N.W.	67	26	57·6	37·2	47·1	+ 4·5	56	+ 32	13	- 6	0	- 4	0·00	- 0·56	60	+ 29	68	+33
8. ENGLAND, S.W.	66	23	58·5	35·6	46·7	+ 2·5	60	+ 28	18	+ 4	0	- 4	0·00	- 0·59	65	+ 30	75	+34
9. IRELAND, NORTH	63	36	54·6	41·0	47·6	+ 4·6	43	+ 17	3	- 15	3	- 2	0·36	- 0·29	35	+ 6	40	+ 6
10. IRELAND, SOUTH	65	28	56·9	39·3	47·8	+ 3·2	52	+ 19	8	- 6	3	- 1	0·26	- 0·42	48	+ 15	54	+17
11. CHANNEL ISLANDS	66	35	57·9	41·8	49·6	+ 3·0	54	+ 17	1	- 3	0	- 4	0·00	- 0·47	73	+ 34	84	+39
THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, March 3rd to 30th, 1907.																		
0. SCOTLAND, NORTH	66	18	*	*	*	*	61	+ 14	99	- 23	22	+ 2	5·14	+1·50	99	+ 10	30	+ 3
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	95	+ 27	111	- 16	13	- 3	1·75	- 0·22	148	+ 46	45	+14
2. ENGLAND, N.E.	67	24	*	*	*	*	129	+ 51	97	- 9	14	0	1·01	- 0·58	184	+ 80	56	+24
3. ENGLAND, EAST	70	21	*	*	*	*	126	+ 27	101	- 12	12	- 1	1·00	- 0·42	190	+ 75	58	+23
4. MIDLAND COUNTIES	69	18	*	*	*	*	149	+ 47	105	- 9	12	- 1	1·05	- 0·50	162	+ 59	49	+18
5. ENGLAND, SOUTH	68	20	*	*	*	*	139	+ 36	75	- 9	12	0	0·84	- 0·77	191	+ 77	58	+23
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	102	+ 35	76	- 20	16	- 1	3·99	+0·79	127	+ 24	39	+ 7
7. ENGLAND, N.W.	67	23	*	*	*	*	116	+ 40	75	- 12	15	0	2·91	+0·75	160	+ 59	49	+18
8. ENGLAND, S.W.	66	20	*	*	*	*	138	+ 35	69	- 1	14	- 1	1·41	- 1·00	158	+ 36	48	+11
9. IRELAND, NORTH	63	26	*	*	*	*	126	+ 39	42	- 40	19	+ 1	4·09	+1·65	122	+ 24	37	+ 7
10. IRELAND, SOUTH	65	27	*	*	*	*	158	+ 45	23	- 41	19	+ 3	1·93	- 0·73	128	+ 16	39	+ 5
11. CHANNEL ISLANDS	66	29	*	*	*	*	151	+ 28	6	- 20	10	- 6	0·74	- 1·25	188	+ 50	57	+15
THE YEAR.—Aggregates, &c., for the period of 13 Weeks, December 30th, 1906, to March 30th, 1907.																		
0. SCOTLAND, NORTH	66	8	*	*	*	*	114	+ 7	434	- 4	70	+ 4	17·22	+3·59	191	+ 11	23	+ 1
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	163	+ 23	492	+ 8	43	- 8	5·19	- 1·54	309	+ 84	36	+10
2. ENGLAND, N.E.	67	15	*	*	*	*	204	+ 46	439	+ 32	42	- 5	3·29	- 1·69	363	+144	41	+16
3. ENGLAND, EAST	70	10	*	*	*	*	172	- 17	480	+ 28	39	- 8	3·64	- 1·23	344	+ 89	39	+10
4. MIDLAND COUNTIES	69	10	*	*	*	*	215	+ 9	482	+ 32	36	-10	3·51	- 2·19	316	+ 94	36	+11
5. ENGLAND, SOUTH	68	16	*	*		*	212	- 9	399	+ 56	34	-10	3·56	- 2·50	350	+103	39	+11
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	177	+ 19	340	- 5	54	- 3	11·68	- 0·53	244	+ 34	28	+ 4
7. ENGLAND, N.W.	67	15	*	*	*	*	176	+ 6	365	+ 27	49	- 2	7·11	- 0·71	307	+ 94	35	+11
8. ENGLAND, S.W.	66	5	*	*	*	*	218	- 36	357	+ 88	49	- 2	6·12	- 3·32	314	+ 48	35	+ 5
9. IRELAND, NORTH	63	16	*	*	*	*	219	+ 7	250	- 49	62	+ 2	9·20	+0·21	239	+ 23	27	+ 3
10. IRELAND, SOUTH	65	11	*	*	*	*	315	+ 16	214	- 15	55	+ 1	5·70	- 4·53	254	+ 6	28	+ 1
11. ENGLISH CHANNEL	66	21	*	*	*	*	314	- 28	96	- 9	44	-13	4·34	- 3·56	348	+ 41	38	+ 5

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

March 24-30, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	51	39	48·6	40·7	44·5	+ 5·2	23	4	3	0·12	− 0·49	32·1	+ 4·3	37	+ 5
	Stornoway	57	35	51·6	41·0	46·1	+ 5·3	33	3	5	0·18	− 0·65	26·4	− 1·9	30	− 2
0. SCOTLAND, N. — Mainland.	Wick	58	34	54·3	39·9	46·9	+ 6·1	43	6	1	0·01	− 0·44	*	*	*	*
	†Lairg (Strathpeffer)	66	36	58·1	40·3	48·9	+ 9·9	55	5	2	0·07	− 0·59	36·3	+ 11·5	41	+ 13
	Glencarron	63	36	53·2	41·6	47·2	+ 7·5	38	1	5	1·29	− 0·31	*	*	*	*
	Fort Augustus	64	39	56·4	42·6	49·3	+ 8·1	51	0	1	0·04	− 0·68	33·1	+ 12·4	38	+ 14
	Fort William	63	39	54·0	42·6	48·1	+ 6·0	43	0	3	0·26	− 1·07	*	*	*	*
1. SCOTLAND, E.	Nairn	66	40	59·3	42·1	50·5	+ 9·2	60	0	1	0·01	− 0·36	44·6	—	51	—
	Aberdeen	63	37	59·0	40·4	49·4	+ 8·1	59	4	1	0·03	− 0·49	53·5	+ 23·5	61	+ 27
	†Balmoral (Crathes)	59	23	54·1	34·9	44·2	+ 6·5	45	20	0	0·00	− 0·56	49·4	—	56	—
	†Clathick (Balruddery)	65	32	57·9	37·5	47·4	+ 5·8	57	13	0	0·00	− 0·62	39·0	—	44	—
	†Leith (Edinburgh)	66	35	59·4	41·4	50·1	+ 7·4	59	2	0	0·00	− 0·34	33·5	+ 10·0	38	+ 11
	Marchmont	66	30	59·1	36·0	47·2	+ 6·7	62	17	0	0·00	− 0·54	49·7	+ 22·4	57	+ 26
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	66	30	62·8	35·0	48·5	+ 7·3	75	20	0	0·00	− 0·52	61·6	—	70	—
	†Shields (Newcastle)	67	31	61·4	35·6	48·1	+ 6·2	70	18	0	0·00	− 0·38	43·3	+ 21·0	49	+ 24
	Durham	65	28	61·3	33·4	46·9	+ 5·5	70	24	0	0·00	− 0·43	61·7	+ 34·1	70	+ 39
	Scarborough	66	35	61·4	40·9	50·9	+ 8·5	67	3	0	0·00	− 0·40	58·0	—	66	—
	York	67	29	62·3	34·6	48·0	+ 5·4	73	21	0	0·00	− 0·36	40·0	+ 14·0	46	+ 6
2. ENGLAND, N.E. — Southern part.	Spurn Head	56	37	52·4	40·6	46·3	+ 4·1	36	4	0	0·00	− 0·30	*	*	*	*
	†Lincoln (Skegness)	67	29	63·0	33·3	47·7	+ 4·4	76	24	0	0·00	− 0·33	71·7	—	82	—
	†Fulbeck (Rauceby)	67	31	63·3	36·1	49·3	+ 6·5	76	17	0	0·00	− 0·35	67·7	—	77	—
3. ENGLAND, E — Northern part.	Hillington	69	29	63·8	33·2	48·0	+ 5·0	79	25	0	0·00	− 0·40	70·9	+ 41·3	81	+ 47
	†Yarmouth (Lowestoft)	52	36	48·0	39·0	43·4	+ 1·4	22	8	0	0·00	− 0·36	72·8	—	83	—
	Geldeston	70	26	61·0	30·9	45·5	+ 2·6	71	31	0	‡0·01	− 0·34	68·7	+ 36·8	78	+ 42
	(Cromer)												74·6	—	85	—
3. ENGLAND, E — Southern part.	Cambridge	68	27	63·4	29·8	46·1	+ 2·6	80	34	0	0·00	− 0·32	67·0	+ 35·9	76	+ 41
	Felixstowe	53	28	49·6	33·6	41·4	− 1·9	21	33	0	0·00	—	72·5	—	83	—
	Clacton-on-Sea	54	34	49·9	37·6	43·6	0·0	30	12	0	0·00	—	75·4	—	87	—
	Rothamsted	66	26	60·9	28·2	44·1	+ 1·6	73	39	0	‡0·01	− 0·40	66·8	+ 37·2	77	+ 43
	Shoeburyness	57	29	52·1	32·7	42·1	− 2·1	40	26	0	0·00	− 0·27	*	*	*	*
	London, Westminster	66	30	59·4	34·1	46·4	+ 2·0	64	22	0	0·00	− 0·36	34·7	+ 15·1	40	+ 17
	(Dunmow)												68·2	—	78	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	65	31	61·2	36·7	48·6	+ 7·3	68	15	0	0·00	− 0·47	60·5	—	69	—
	†Bawtry (Worksop)	69	26	64·0	30·1	46·5	+ 3·5	81	33	0	0·00	− 0·35	54·8	+ 29·0	62	+ 33
	Nottingham	67	26	62·3	30·3	45·8	+ 2·7	76	33	0	0·00	− 0·35	47·7	—	54	—
	Colly Weston	68	35	64·0	37·3	50·3	+ 6·9	78	13	0	0·00	− 0·35	*	*	*	*
	Birmingham, Edgbaston	67	32	61·9	38·8	50·0	+ 7·4	69	9	0	0·00	− 0·40	58·1	—	66	—
	Oxford	69	29	64·0	32·1	47·6	+ 4·0	81	28	0	0·00	− 0·35	65·7	+ 36·7	76	+ 42
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	64	31	60·2	36·7	48·1	+ 6·5	65	15	0	0·00	− 0·48	53·9	—	61	—
	Shrewsbury	68	25	64·6	30·9	47·3	+ 3·7	84	31	0	0·00	—	*	*	*	*
	Hereford	67	26	63·4	30·7	46·6	+ 3·1	80	32	0	0·00	− 0·37	*	*	*	*
	Cirencester	66	24	62·3	29·1	45·2	+ 2·8	77	36	0	0·00	− 0·44	71·0	+ 41·0	82	+ 47
	Bath	67	28	63·0	31·1	46·6	+ 2·6	78	31	0	0·00	− 0·47	73·7	—	85	—
	(Margate)												71·0	+ 40·3	82	+ 46
5. ENGLAND S.	Kew	66	29	60·3	31·5	45·5	+ 1·5	69	29	0	0·00	− 0·36	54·6	+ 26·8	63	+ 31
	Wisley, Surrey	68	27	62·3	29·6	45·5	+ 2·0	77	35	0	0·00	—	63·5	—	73	—
	†Swarraton (Ventnor)	67	25	61·8	30·6	45·7	+ 3·3	74	32	0	‡0·02	− 0·44	73·2	+ 37·4	84	+ 43
	Tunbridge Wells	67	32	60·8	35·0	47·5	+ 4·3	68	20	0	0·00	− 0·44	74·0	+ 43·0	85	+ 50
	†Dungeness (Littlestone)	57	30	52·4	35·9	43·9	+ 0·5	39	17	0	‡0·01	− 0·31	73·2	—	84	—
	Hastings	61	37	55·1	40·0	47·3	+ 3·4	46	6	0	0·00	− 0·43	76·0	+ 41·9	87	+ 48
	Southampton	67	31	60·7	34·1	47·0	+ 1·9	68	22	0	0·00	− 0·46	72·5	+ 40·1	83	+ 46
	†Portland Bill (Worthing)	54	39	50·7	42·3	46·4	+ 1·4	31	0	0	0·00	—	75·3	—	87	—
	(Eastbourne)												73·9	+ 39·7	85	+ 46
6. SCOTLAND, W.	†Laudale (Oban)	61	39	55·5	44·3	49·7	+ 6·8	54	0	0	0·00	− 1·31	37·7	—	43	—
	Glasgow	62	37	54·3	41·8	47·9	+ 6·3	42	1	0	0·00	− 0·55	28·6	+ 6·0	33	+ 7
	Dumfries	65	31	58·5	37·6	47·7	+ 5·2	58	12	1	0·02	− 0·64	*	*	*	*
	Cally	56	29	53·6	36·1	44·6	+ 2·4	43	17	0	0·00	− 0·76	*	*	*	*
	Douglas, Isle of Man	58	32	53·8	36·4	44·8	+ 1·9	43	16	0	0·09	− 0·59	40·6	+ 6·2	46	+ 7
7. ENGLAND, N.W.	Aspatria	64	36	56·5	38·6	47·3	+ 5·1	51	10	0	0·00	− 0·57	60·7	—	69	—
	Newton Rigg	62	26	58·3	34·1	45·8	+ 4·6	60	22	0	0·00	− 0·51	55·2	+ 26·5	63	+ 30
	Stonyhurst	62	28	56·4	35·9	45·9	+ 4·9	53	17	0	0·00	− 0·73	59·5	+ 31·6	68	+ 36
	Blackpool	64	28	54·9	35·8	45·1	+ 2·4	48	17	0	0·00	− 0·46	51·7	+ 23·5	59	+ 27
	Manchester, Prestwich	66	29	61·7	35·2	48·1	+ 5·7	71	19	0	0·00	− 0·55	51·4	+ 29·1	58	+ 33
	†Liverpool Obs. (Hoylake)	64	34	56·0	39·7	47·6	+ 4·1	49	6	0	0·00	− 0·38	64·2	—	73	—
	†Hawarden Bridge (Southport)	66	30	60·6	35·3	47·6	+ 3·5	67	19	0	0·00	− 0·30	54·3	+ 24·9	62	+ 28
NORTH WALES	Llandudno	67	37	58·3	40·9	49·3	+ 4·8	56	3	0	0·00	− 0·44	62·1	+ 33·2	71	+ 38
	†Holyhead (Aberdovey)	61	40	52·9	41·9	47·2	+ 2·9	37	0	0	0·00	− 0·51	64·4	—	73	—
	Bettws-y-Coed	67	30	60·6	34·4	47·1	+ 3·1	68	21	0	0·00	—	66·2	—	75	—
8. SOUTH WALES	Llangammarch Wells	65	23	61·6	26·5	43·5	+ 1·2	76	43	0	0·00	—	55·1	—	63	—
	Pembroke	54	36	51·0	39·9	45·3	+ 1·2	32	6	0	0·00	− 0·48	59·0	+ 25·3	68	+ 29
	†Cardiff (Aberystwyth)	66	27	61·6	30·4	45·5	+ 0·7	73	32	0	0·00	− 0·62	65·5	—	74	—
8. ENGLAND, S.W.	†Clifton (Torquay)	56	37	62·1	38·4	49·9	+ 6·1	70	10	0	0·00	− 0·53	73·3	+ 38·3	84	+ 44
	†Shaftesbury (Marlborough)	65	32	60·4	40·1	50·0	+ 7·8	64	5	0	0·00	− 0·52	59·5	+ 32·6	68	+ 38
	†Arlington (Newquay)	65	29	59·1	35·9	47·2	+ 4·8	62	17	0	0·00	− 0·80	68·1	+ 34·3	78	+ 39
	Cullompton	66	26	61·5	30·1	45·3	+ 0·4	73	33	0	0·00	− 0·55	67·4	+ 37·5	78	+ 43
	Plymouth	63	33	57·4	37·2	47·0	+ 1·6	55	13	0	0·00	− 0·54	68·5	+ 35·3	79	+ 41
	Falmouth	54	34	52·2	41·5	46·7	+ 1·2	35	1	0	‡0·01	− 0·69	70·2	+ 35·4	81	+ 41
9. IRELAND, N. — Western part.	Malin Head	61	39	54·3	42·3	48·1	+ 4·8	43	0	3	0·22	− 0·25	*	*	*	*
	Edenfel	63	36	54·7	38·6	46·4	+ 4·6	45	10	3	0·25	− 0·34	*	*	*	*
	Blacksod Point	55	37	51·3	44·0	47·5	+ 2·7	39	0	4	0·81	+ 0·02	*	*	*	*
	Markree Castle	62	36	55·8	40·0	47·7	+ 4·5	48	6	3	0·73	+ 0·09	33·5	+ 5·9	38	+ 7
9. IRELAND, N. — Eastern part.	Armagh	63	39	57·2	41·7	49·2	+ 6·7	52	1	2	0·05	− 0·42	36·3	+ 9·3	41	+ 11
	Donaghadee	58	37	54·1	39·4	46·5	+ 3·2	42	7	2	0·10	− 0·34	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	64	38	57·7	41·2	49·2	+ 4·3	54	2	2	0·08	− 0·35	44·7	+ 13·3	51	+ 15
	Kilkenny	60	28	56·4	35·9	45·9	+ 1·5	53	17	3	0·30	− 0·18	*	*	*	*
	Waterford	60	30	56·0	37·4	46·4	+ 2·2	50	13	1	0·05	− 0·56	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	63	32	58·1	37·4	47·4	+ 3·9	57	13	3	0·44	− 0·09	48·1	+ 19·3	55	+ 22
	Foynes	63	36	58·7	38·9	48·5	+ 3·9	59	9	3	0·18	− 0·41	*	*	*	*
	Killarney	65	37	61·0	40·6	50·5	+ 4·9	65	4	3	0·57	− 0·38	*	*	*	*
	Valencia	59	39	54·9	42·0	48·3	+ 2·0	44	0	2	0·33	− 0·60	53·4	+ 21·9	61	+ 25
	†Roches Point (Ballinacurra)	54	36	52·0	41·1	46·4	+ 0·8	35	3	5	0·10	− 0·57	46·2	—	52	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	55	43	53·7	43·6	48·5	+ 1·6	46	0	0	0·00	− 0·50	69·4	+ 34·2	80	+ 39
	†Jersey, St. Aubins (St. Heliers)	65	35	60·7	40·4	50·3	+ 3·8	65	4	0	0·00	− 0·50	74·3	+ 36·9	85	+ 42
	Guernsey	66	36	59·2	41·3	50·0	+ 3·7	59	2	0	0·00	− 0·55	75·8	+ 38·5	87	+ 44

Information for Stations marked ℛ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Dew or hoar frost.

Additional Sunshine Totals for the week: Ramsgate, 72·8 hrs., 84 %; Brighton, 66·0 hrs. (+32·4), 76 % (+ 37 %); Bournemouth, 71·7 hrs., 82 %; Bognor, 72·2 hrs., 83 %; Rhyl, 69·2 hrs., 79 %; Tenby, hrs. ( ), % (%).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	40·0
	Crathes	5	26	41·7	39·3
	Balmoral	4	25	—	—
	Marchmont ..	—	—	42·1	—
2.	Cockle Park	3	25	41·9	40·7
	York	—	—	41·9	41·4
	Hull	2	30	41·4	40·7
	Lincoln	—	—	42·1	41·9
3.	Lowestoft	—	—	44·3	43·5
	Cambridge	7	20	43·7	44·0
	Dunmow	7	20	—	—
	Clacton-on-Sea ..	6	25	44·3	44·7

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	5	24	41·6	41·5
	Sheffield	2	24	42·1	40·9
	— — ..				
	Birmingham	6	17	43·7	43·5
	Nottingham	7	24	41·0	40·7
	— — ..				
5.	Kew	7	19	42·6	44·2
	Canterbury	5	25	43·1	44·6
	Portsmouth	5	23	44·4	45·9
	Wisley	—	—	43·3	44·1
6.	— — ..				
	Glasgow	1	30	—	—
	— — ..				

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	7	20	42·4	41·0
	Southport	6	22	43·7	43·2
	Manchester City ..	1	29	42·1	42·4
	Bettws-y-Coed ..	1	29	41·4	43·0
	— — ..				
8.	Llangammarch Wells	7	16	43·0	43·3
	Bath	—	—	45·4	45·5
	Plymouth	4	25	45·1	—
	— — ..				
9.	Armagh	0	37	45·4	44·3‡
	Markree Castle ..	2	30	—	—
10.	Dublin, Trin. Coll. ..	6	27	45·8	45·3
11.	Guernsey, Brooklyn	4	28	47·8	46·9

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	42·7
	Kirkwall	46	40	43·5
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	46	39	43·0
	Pennan Bay	43	40	42·0
	Aberdeen, Cove Bay ..	46	42	44·0
ENGLAND, N.E.	Burnmouth, Berwick ..	44	40	41·8
	Scarborough	44	40	42·4
ENGLAND, E.	Shipwash Lightship ..	42	39	41·0
	Margate‡	45	42	43·5
ENGLAND, S.E.	Eastbourne‡	46	42	44·1

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	45	44	44·2
	Ballantrae	47	44	45·4
ENGLAND, N.W.	Port Erin	46	45	45·3
ENGLAND, S.W.	Newquay	48	47	47·8
	Plymouth‡	47	47	47·1
	Salcombe	46	45	45·7
IRELAND, N.W.	Sheephaven	47	44	46·3
	Ballyglass	52	44	48·7
IRELAND, S.W.	Cleggan	49	46	47·5
	Seafield	55	45	49·3
IRELAND, E.	Kingstown‡	45	44	44·1

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

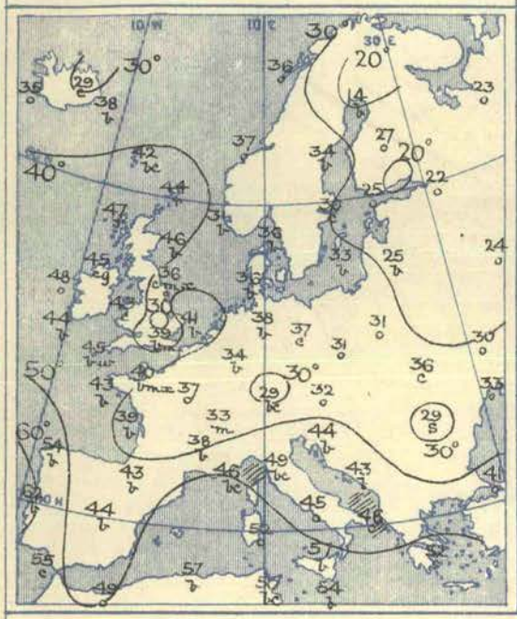
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

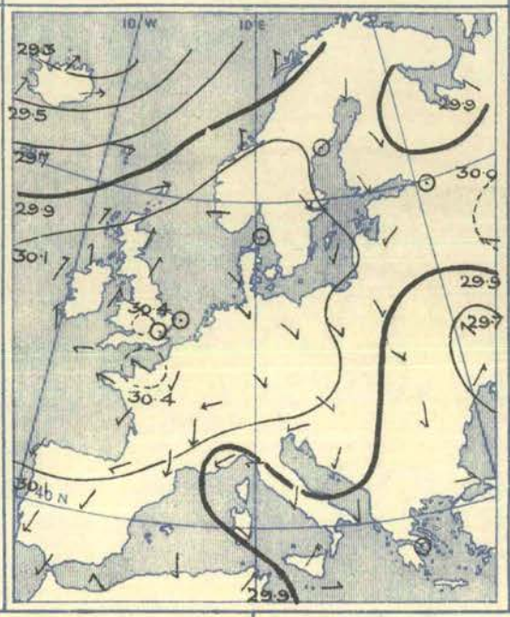
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 24th March, 1907.

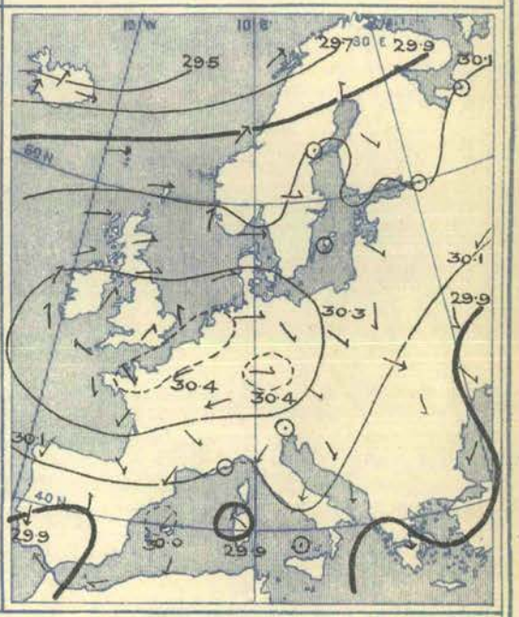
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast or very cloudy in many parts of Central Europe and Russia and rainy in the Shetlands and Hebrides, as well as at Patras; very fine in nearly all other regions, but fog or mist prevailing at some English stations. Day very bright in almost all parts of these Islands, and no rain falling in any part of our area except at some stations on the shores of the Mediterranean and in the west of Norway. A little snow experienced in central Russia.

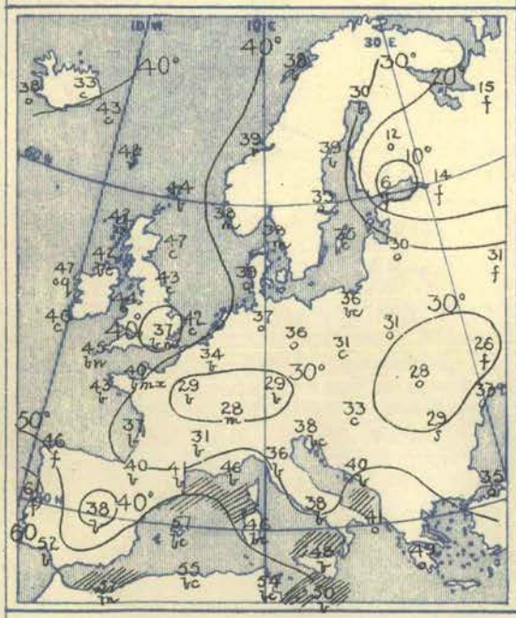
Temperature changed rather irregularly, but risen in most localities. Readings in morning a little above or below 32° over the major portion of the European mainland and in the English midlands, and as low as 14° at Haparanda. Above 50° at nearly all stations in the south of our area, and as high as 62° at Oporto. Rising during day to 58° or 59° over central England, but only touching 50° at Naples and 51° at Brindisi. Maxima a little above 70° in Spain and Portugal and also at Perpignan.

Wind in morning showing a very extensive anticyclonic circulation of light airs around England, Ireland, and the nearer countries of the Continent, and several partial or complete cyclonic movements elsewhere. South-Westerly current strong or high in Iceland, but scarcely any force beyond a moderate breeze elsewhere. Increasing in force from the South-Westward by evening along the Norwegian coast, and from the Northward over Italy.

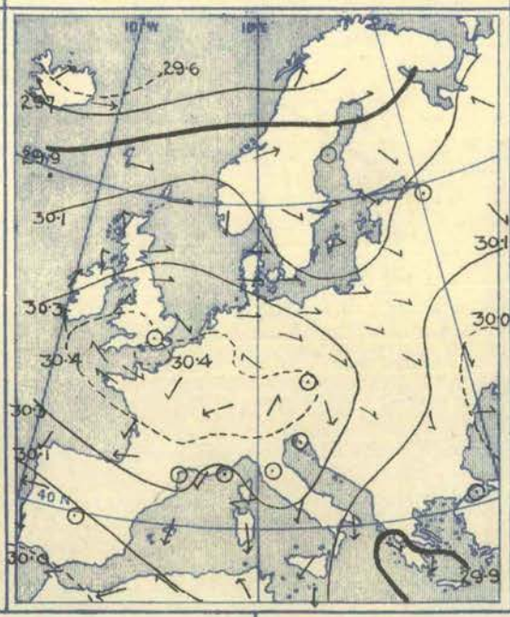
Barometer in morning ranging from above 30·3 ins. in a high pressure system extending from the Atlantic across this country and France to Denmark and South Germany to less than 29·3 ins. over the north of Iceland. Relatively low in the south, north-east, and south-east of our area. Anticyclonic system extending eastwards during day and barometer rising in nearly all parts of our area except the north of Norway and over the Spanish Peninsula.

Monday, 25th March, 1907.

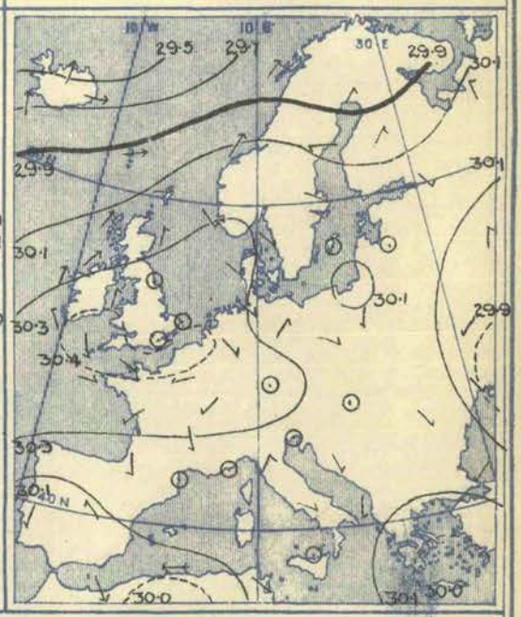
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but overcast in various parts of the east and north-east of our area, as well as at some northern stations, with rain at Thorshavn and snow at Lemberg, Hermanstadt, and Nicolaieff. Fog prevailing at Coruna and over the Gulf of Finland, and mist in London. Fog or mist continuing all day in London, but weather very bright over Great Britain as a whole. Some rain falling in the west of Norway and snow in Little Russia.

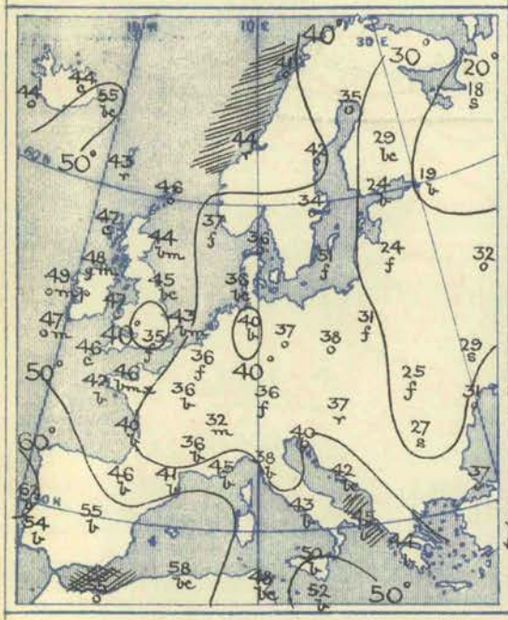
Temperature fallen in most regions. Readings in morning ranging from 61° at Oporto and about 55° at a few stations on the shores of the Mediterranean to below 32° over considerable portions of the European mainland and to below 20° in the north-east. Maxima during day rather above 70° in the Iberian Peninsula, a few degrees higher than 60° in Algeria and the south of France, and 60° at Aberdeen, but thermometer only touching 43° at Athens, 53° at Malta, and 51° at Naples.

Wind in morning circulating cyclonically in the extreme south-east and north-west of our area, but anticyclonic winds of little strength prevailing generally. Scarcely any change later in day, except some increase in the force of the South-Westerly current on the north-west coast of Iceland, and the springing up of an Easterly gale at Algiers.

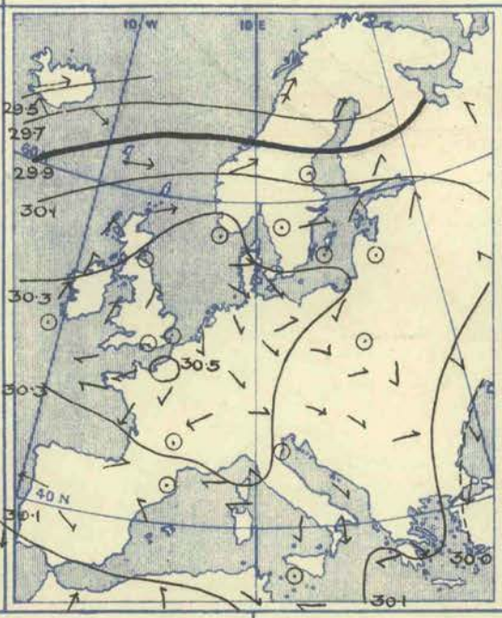
Barometer in morning above 30·4 ins. in an anticyclone with its central space extending from beyond our south-west coasts to the centre of Europe. Below 29·0 ins. in a depression over Greece, and below 29·6 ins. in a disturbance to the northward of Iceland. No change taking place in the general distribution of pressure during day, but barometer becoming rather lower within the anticyclonic region.

Tuesday, 26th March, 1907.

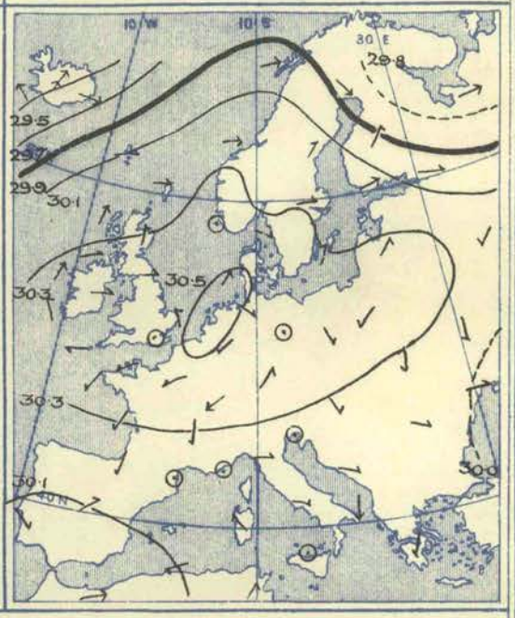
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright in most regions, but mist or fog very prevalent in England and over the nearer portions of the Continent. Cloudy or dull in the far north and east of our area, with rain at Thorshavn and Christiansund, snow at Archangel and Kieff, and snow or rain in Hungary. Slight rain also reported from Ireland. A considerable quantity of snow experienced later in the south of Russia and some rain in Algeria, but weather fine and bright generally; much mist or fog prevailing in London.

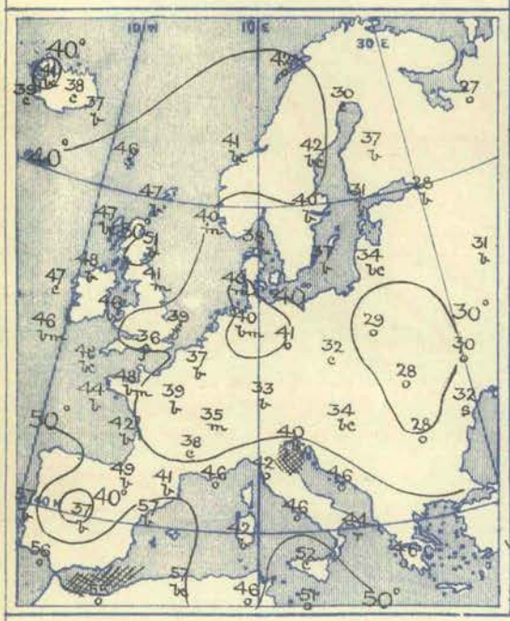
Temperature fallen in places, but risen as a whole. Readings in morning below the freezing point in central England and over the east and north-east of the Continent; above 50° in a few localities in the far south and as high as 62° at Oporto. Thermometer above 50° at Seydisfjord. Thermometer subsequently rising to above 60° in various parts of Great Britain and touching 66° at North Shields. Maxima also above 60° in the south of Europe and in Algeria, highest reading being 68° at Lisbon.

Wind in morning showing a vast anticyclonic circulation over Europe generally; Westerly current in the extreme north strong to a gale in force. Scarcely any change of importance during day; force decreasing to a strong breeze in the north.

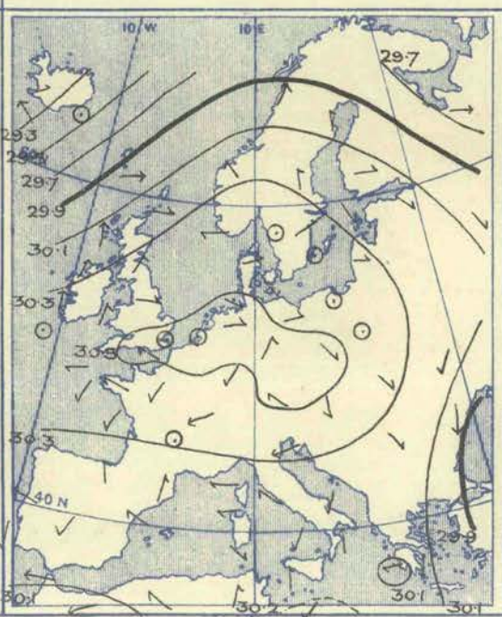
Barometer in morning ranging from above 30·4 ins. in an anticyclone covering a large part of the United Kingdom and the adjacent portion of the Continent to below 29·5 ins. to the northward of Iceland. Anticyclonic system extending eastward later while continuing its hold over this country. Low pressure system in far north travelling eastwards, but a fresh fall of the mercury taking place in Iceland.

Wednesday, 27th March, 1907.

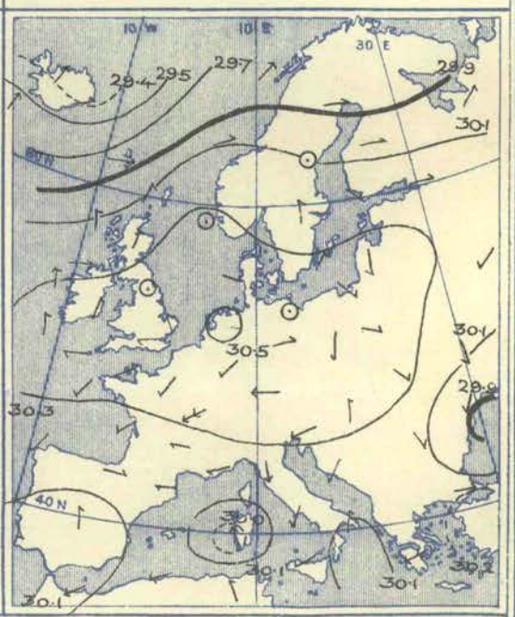
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy or misty in many parts of England and the nearer regions of the Continent, but very fine over our area generally. Dull and rough, with snow on the northern shores of the Black Sea, and overcast, with rain at Brindisi. Some rain falling later at Blacksod Point and Stornoway, and rain or snow in the south of Russia and at Palermo, but conditions continuing very fine generally.

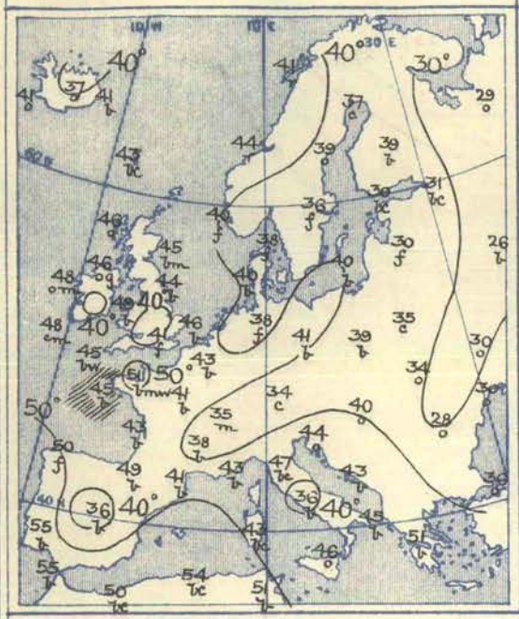
Temperature changed rather irregularly. Readings in morning below 40° over the major portion of the Continent and in the English midlands; below 32° over considerable districts of Russia and Finland; only a little below 60° at some stations in the extreme south and south-west of our area. Thermometer rising to above 60° during day in several parts of our Islands and in nearly all parts of southern Europe, but only touching 52° at Brindisi and 42° at Constantinople.

Wind in morning fresh to high from the Northward in the south of Russia, and moderate or fresh from some Northerly point at many stations on the shores of the Mediterranean. A very extensive anticyclonic circulation prevailing over Europe as a whole, and moderate to fresh winds, mainly from between South-West and West, over the Icelandic region. A North-Easterly gale springing up at Athens by evening, but wind decreasing in force over southern Europe generally. Little change elsewhere.

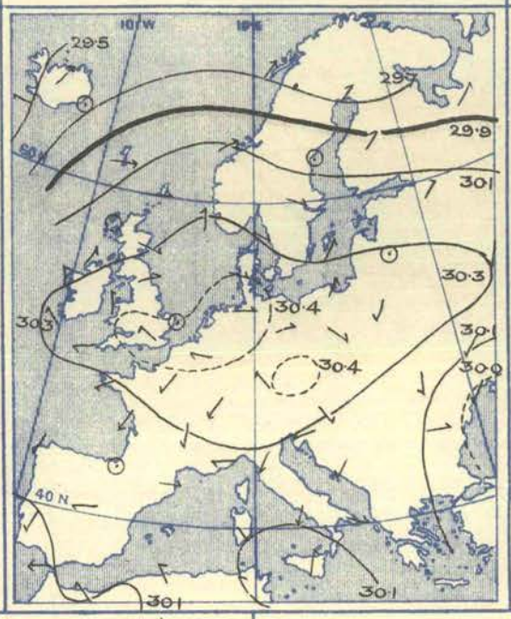
Barometer in morning ranging from above 30·5 ins. in the central portion of a large high pressure system covering most of central Europe and a considerable part of England to less than 29·9 ins. in a depression over the Black Sea, to less than 29·7 ins. over the White Sea, and to less than 29·3 ins. in another disturbance to the westward of Iceland. No change in the general distribution of pressure occurring during day, but a small minimum forming over the south of Sardinia and its vicinity. Icelandic depression moving north-eastwards.

Thursday, 28th March, 1907.

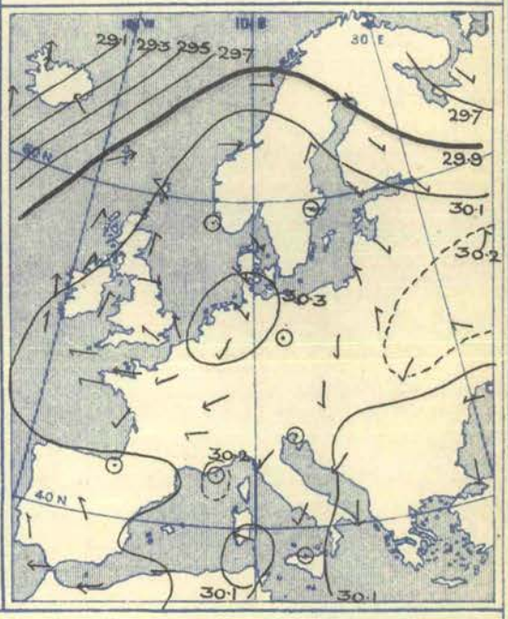
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull on our far western seaboard and dull and rainy in Norway; fine and bright generally, but foggy or misty at Corunna, in many parts of England, and on the shores of the Baltic. Some rain experienced later in Sicily and Malta, but conditions continuing very fine as a whole.

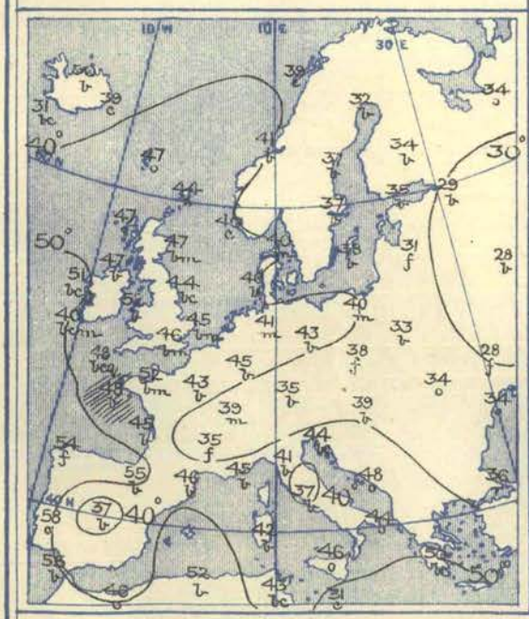
Temperature changed rather irregularly, but risen at most stations. Readings in morning about 50° at many stations in the far south, and as high as 60° at Oporto; below 40° over central England and a large portion of the Continent, and below the freezing point in the east and north-east. Thermometer rising to 68° at Lisbon during day, to 70° at Rochefort, to 69° at Oxford, and to above 60° in many parts of Great Britain, as well as at some German stations.

Wind in morning showing a very extensive but rather irregular anticyclonic movement over the major portion of our area, moderate to strong Southerly or South-Westerly winds in Iceland and Norway, and light variable airs over the Mediterranean region. A Southerly gale setting in in Iceland by evening, and a Southerly breeze becoming rather decided on our own western coasts. No change of importance taking place on the Continent.

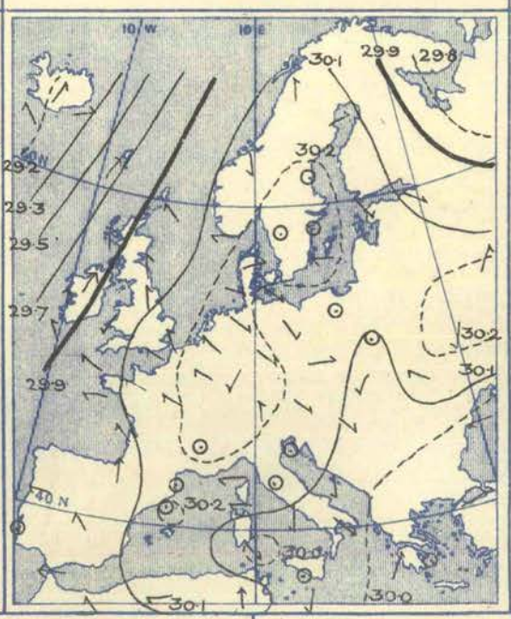
Barometer in morning 30·3 ins. to above 30·4 ins. in a large high pressure system extending from the south-west of Ireland to central Russia. Below 30·0 ins. in a depression over the Black Sea, less than 29·7 ins. in the far north of Scandinavia, and below 29·5 ins. in a minimum lying to the westward of Iceland. Pressure decreasing within the anticyclonic system during day. Barometer falling very briskly over Iceland and rather decidedly in these Islands. Scandinavian disturbance travelling eastwards and pressure increasing again in the north of Norway.

Friday, 29th March, 1907.

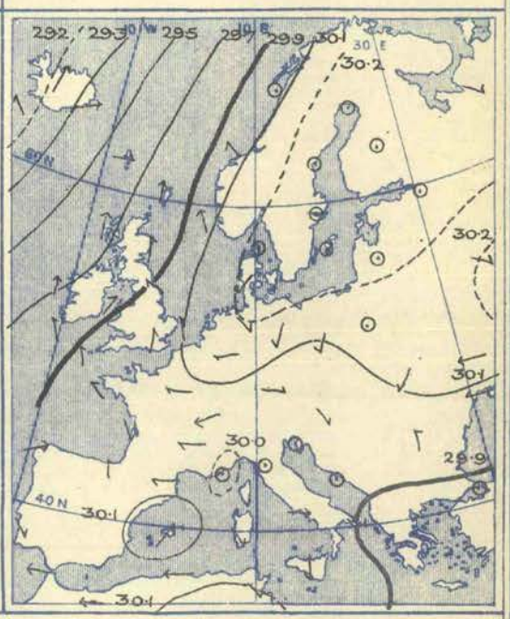
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine very generally, but misty at some of our own stations, and overcast, with rain at Constantinople. Some rain experienced later in most parts of Ireland, but conditions continuing very fine as a whole, with unbroken sunshine in Great Britain.

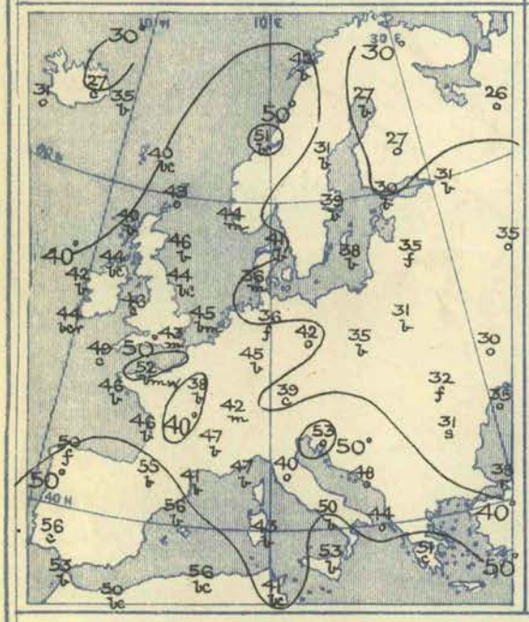
Temperature showing no decided change. Readings in morning ranging from a little below 32° in the greater part of Russia and in Iceland, to above 40° generally, and to above 50° at Blacksod Point and in many southern localities. Thermometer rising subsequently to 67° in the midland and north-western counties of England, and to slightly above 70° in the south-west of France. Maximum only 51° at Brindisi and 59° at Algiers.

Wind in morning light to moderate from the Southward over most of the United Kingdom, but light from the Eastward over our southern counties. Light and rather variable airs prevailing over Europe as a whole. Scarcely any change occurring during day.

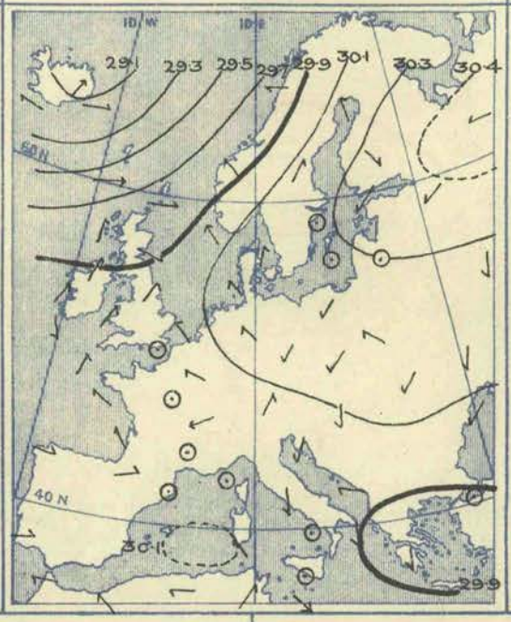
Barometer in morning above 30·2 ins. in an anticyclone extending from the southern part of France towards the north of Scandinavia, and also in another system over Russia. Relatively low in the south-east of our area and in the south of Sardinia, and below 29·2 ins. over the west of Iceland. A rather decided decrease of pressure taking place during day over the United Kingdom and France; southern portion of anticyclone dispersing, but nortnern portion continuing its hold over the Scandinavian region.

Saturday, 30th March, 1907.

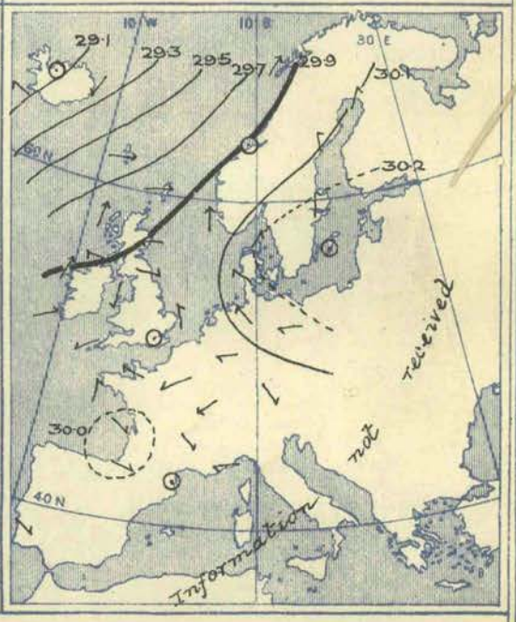
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast in some parts of Ireland and Scotland and rainy at Constantinople, but very fine generally. Fog prevalent over North Germany and at Corunna, and mist at some of our own stations. Day very bright in almost all parts of these Islands and the western countries of the Continent, but much mist prevailing in some London districts.

Temperature changed irregularly. Readings in morning ranging from above 50° at some stations in the extreme south to below 40° over the major portion of the Continent, and to below 30° in the far north-east and at some stations in Iceland. Maxima during day above 60° in many parts of England and as high as 67° and 68° respectively at Nottingham and Oxford. Thermometer rising to above 60° over France, Belgium, and in some German districts, and touching 71° at Paris.

Wind in morning very variable in direction, but generally of little force. Showing a distinct cyclonic tendency over the Bay of Biscay and our Islands. An irregular anticyclonic circulation prevailing over the north-east of our area. Very little change taking place during day.

Barometer in morning above 30·4 ins. in the north of Russia and decreasing to below 29·1 ins. in a depression having its centre to the northward of Iceland. Relatively low over our western districts, the Bay of Biscay, and the south-east of our area. Pressure decreasing slightly in most regions during day, but no change of importance occurring in the general distribution. Readings becoming more uniform over the United Kingdom.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,669 / 2,000	8,329 / 2,500	10,000 / 3,000	Remarks.
1907.										
March 27th, 2.20 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; wind very light and altitude of balloon too great to observe with theodolite, but wind appeared to back with height. Balloon fell near Romsey, 26½ miles W 5° N, showing further backing of wind above.
		Humidity								
		Wind Velocity, m. per hr.	S ½ W							
March 27th, 3.50 p.m. to 4.50 p.m.	Brighton, 380 ft.	Temperature F.	59°	54°						One kite, 77 sq. ft. 4,000 ft. wire. Max. height, 2,200 ft. Temp., 50°. Clear sky. Wind very steady.
		Humidity	55%	55%						
		Wind Velocity, m. per hr.	SE, 15	S, 20						
March 28th, 5.55 p.m. to 6.15 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.	—							Pilot balloon; uniform ascensional velocity of 300 ft. per min. assumed. Increase of velocity to 10 m. per h. at 1,000 ft. Wind veering to E at 2,000 ft., backing to NE ½ E at 4,000 ft., and veering above. Balloon fell near Stony Stratford, 79 miles N½°E.
		Humidity	—							
		Wind Velocity, m. per hr.	SE, 5	ENE, 2	ENE, 12	E by N, 20	[E ½ S, 18]			
March 29th, 9.30 a.m. to 12.10 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	56°	51°	42°	38°	[37°]			One kite, 77 sq. ft. Max. height, 5,820 ft. Max. wire, 9,270 ft. Blue sky. Steady breeze.
		Humidity	65%	70%	70%	30%	[20%]			
		Wind Velocity, m. per hr.	S, —	S, 25	SSW, 28	SSW, 30	[SSW, 32]			
March 29th, 1.0 p.m. to 4.10 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	60°	58°	46°	46°				One kite, 77 sq. ft. Max. height, 5,300 ft. Max. wire, 10,000 ft. Blue sky. Steady breeze. Sharp fall (10°) in temp. at about 2,000 ft.
		Humidity	59%	70%	65%	60%				
		Wind Velocity, m. per hr.	SSW, —	SSW, 33	S by W, 38	S by W, 38				
March 29th, 6.25 p.m. to 6.45 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; uniform ascensional velocity of 550 ft. per min. assumed.* Wind veering to 4,700 ft.; backing between 8,000 and 10,000 ft.; veering up to 11,000 ft. Balloon fell on shore of Humber, 185 miles N10°E.
		Humidity								
		Wind Velocity, m. per hr.	SE ½ E, 15	S by E, 21	S, 21	S by W ½ W, 24	SSW, 22	SSW, 22	S, 26	
March 30th, 12.20 p.m. to 3.20 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	58°	53°	39°	[32°]				Two kites, each 77 sq. ft. Max. height, 4,422 ft. Max. wire, 7,210 ft. Blue sky. Gusty and variable breeze.
		Humidity	60%	58%	60%	[58%]				
		Wind Velocity, m. per hr.	SW, —	SW, 33	SW, 30	[SW, 24]				
March 30th, 6.19 p.m. to 6.27 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.* Wind, 8 m. per h. NE by E at 4,000 ft. The altitude became too great for observations with theodolite.
		Humidity								
		Wind Velocity, m. per hr.	W by S ½ S, 10	WSW, 8	NW by N, 5					

* Based on observations during first two minutes of ascent.

The following additional observations with pilot balloons were made at Ditcham Park, Petersfield.

March 25th. 12.39 p.m.—Only two observations as balloon went in direction of sun. Wind appeared to increase from 3 m. per h. to 7 m. per h. at 1,000 ft. Wind veering from N. to N. by E.

March 27th. 3.25 p.m.—Balloon sent up 1,500 ft. from theodolite: only three observations possible, owing to altitude; convection currents probably caused balloon to rise very fast. Wind backing from a little E. of S. through E. to about N.E.

A *ballon-sonde* sent up at 5.41 a.m. on March 7th, with very light SSW. wind, fell near Laval, Mayenne, France, 200 miles S. 2½° E. Instruments not yet received.

63, Victoria Street, London, S.W. *April 3rd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. Vol. XXIV. (New Series.) } No. 14. FOURTEENTH WEEK, ENDING SATURDAY, APRIL 6TH, 1907. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather continued fine and bright during the first few days, but subsequently became showery and unsettled in all parts of the Kingdom. Thunder was heard at Dublin on Sunday, at Rauceby on Monday, in several northern and eastern localities on Tuesday, and at Epsom on Saturday. During the night of Saturday, heavy falls of snow and sleet were experienced at most places in the south of England.

Temperature was again above the average over Great Britain, but below it in Ireland, the excess being greatest, between 4° and 5°, in England E. and N.E. The highest of the maxima, which were recorded early in the week, ranged from 71° in England S. and the Midland Counties, and 70° in England E. to 59° and 57° respectively in Ireland S. and N. Towards the end of the week the maxima were much lower—below 50° at some eastern and northern stations. The lowest of the minima occurred also, as a rule, early in the week, and ranged from 24° in England S.W. and 25° in Scotland E. to 32° in England N.E., and to 40° in the Channel Islands.

Mean Temperature of the Sea was rather higher than during the preceding week except off the south-west of Ireland and the north-east of England. The figures ranged from 49·5° at Newquay and 48·0° at Seafield to 43·7° at Kirkwall, 42·2° at Pennan Bay, and to 41·3° at Burnmouth.

Rainfall was again less than the normal in England E. and the Midland Counties, but over the Kingdom generally the quantity which fell during the latter half of the period exceeded the average for the week. The precipitation experienced in the south during the early hours of Sunday the 7th, which was mostly composed of snow and sleet, equalled about half an inch over a large area.

Bright Sunshine was again in excess of the average except in Ireland S. The percentage of the possible duration varied from 56 in England S. and 55 in England E. to 39 in Scotland W. and Ireland N., and to 31 in Ireland S.

Barometer and Wind.—Pressure gave way steadily and uniformly during the first two or three days of the period, but it was not until the middle of the week that there was any great change in the general distribution. By Wednesday morning the barometer had become low, and small cyclonic disturbances had appeared directly over these Islands. A temporary recovery of pressure subsequently occurred, but depressions were found either over the United Kingdom or in its immediate neighbourhood during the remainder of the week. The Southerly current of wind which existed in the west of Ireland as the week commenced extended gradually to nearly all parts of the Kingdom and, while remaining of little strength in the east, it increased to a very strong breeze, high wind, or gale on our western coasts on Tuesday, and on the north-east coast of Scotland late on Friday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 108.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 5 weeks from Mar. 3rd, 1907.	Warmth ...	2 * 1	2 * 1	3 * 1	3 * 0	3 * 0	3 * 0	3 * 0	3 * 0	3 * 1	3 * 0	4 * 0	3 * 0
	Rainfall ...	3 * 1	2 * 1	1 * 1	0 * 2	0 * 1	1 * 2	3 * 1	2 * 1	1 * 2	4 * 0	1 * 3	1 * 2
	Sunshine ...	1 * 0	3 * 0	5 * 0	5 * 0	3 * 0	4 * 0	1 * 0	4 * 0	2 * 1	2 * 0	2 * 2	2 * 0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (14th)—March 31st to April 6th, 1907.

DISTRICTS. (See p. 107.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	63	29	51·8	38·4	44·8	+ 3·9	35	+ 16	10	− 15	4	0	0·80	+0·07	41	+ 9	44	+10
Eastern																		
1. SCOTLAND, EAST	66	25	53·0	37·5	44·9	+ 3·3	39	+ 14	13	− 12	4	0	0·75	+0·29	37	+ 5	40	+ 5
2. ENGLAND, N.E.	69	32	56·2	38·9	47·2	+ 4·7	49	+ 24	9	− 10	4	0	0·71	+0·33	43	+ 11	47	+12
3. ENGLAND, EAST	70	31	57·3	39·5	48·0	+ 4·2	53	+ 19	7	− 13	3	0	0·30	−0·04	50	+ 14	55	+15
4. MIDLAND COUNTIES	71	28	59·0	37·0	47·5	+ 3·7	60	+ 24	14	− 7	4	+ 1	0·32	−0·09	44	+ 11	48	+12
5. ENGLAND, SOUTH	71	30	57·2	40·0	48·1	+ 2·9	51	+ 14	6	− 6	4	+ 1	0·71	+0·39	50	+ 15	56	+17
Western																		
6. SCOTLAND, WEST	64	29	54·4	37·2	45·4	+ 2·5	44	+ 18	13	− 6	4	+ 1	1·40	+0·72	35	+ 1	39	+ 1
7. ENGLAND, N.W.	68	28	56·7	38·1	47·0	+ 3·3	51	+ 23	11	− 5	4	0	0·52	0·00	47	+ 14	52	+15
8. ENGLAND, S.W.	67	24	54·8	38·1	46·0	+ 0·7	44	+ 9	11	+ 1	4	+ 1	1·08	+0·54	40	+ 2	44	+ 2
9. IRELAND, NORTH	57	30	50·4	37·8	43·8	− 0·2	30	0	12	− 3	5	+ 1	0·95	+0·37	35	+ 3	39	+ 4
10. IRELAND, SOUTH	59	28	51·2	37·3	43·9	− 1·7	33	− 5	13	+ 3	5	+ 2	1·31	+0·69	28	− 8	31	− 9
11. CHANNEL ISLANDS	69	40	55·0	44·4	49·5	+ 1·9	53	+ 11	0	− 2	4	+ 1	0·63	+0·21	43	+ 1	47	+ 1

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 5 Weeks, March 3rd to April 6th, 1907.

0. SCOTLAND, NORTH	66	18	*	*	*	*	96	+ 30	109	− 38	26	+ 2	5·94	+1·57	140	+ 19	33	+ 4
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	134	+ 41	124	− 28	17	− 3	2·50	+0·07	185	+ 51	44	+12
2. ENGLAND, N.E.	69	24	*	*	*	*	178	+ 75	106	− 19	18	0	1·72	−0·25	227	+ 90	54	+21
3. ENGLAND, EAST	70	21	*	*	*	*	179	+ 46	108	− 25	15	− 1	1·30	−0·46	240	+ 89	57	+21
4. MIDLAND COUNTIES	71	18	*	*	*	*	209	+ 71	119	− 16	16	0	1·37	−0·59	206	+ 70	49	+17
5. ENGLAND, SOUTH	71	20	*	*	*	*	190	+ 50	81	− 15	16	+ 1	1·55	−0·38	241	+ 93	57	+22
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	146	+ 53	89	− 26	21†	+ 1	5·46†	+1·58	162	+ 25	39	+ 6
7. ENGLAND, N.W.	68	23	*	*	*	*	167	+ 63	86	− 17	19	0	3·43	+0·75	207	+ 72	49	+17
8. ENGLAND, SW.	67	20	*	*	*	*	182	+ 44	80	0	18	0	2·49	−0·46	198	+ 38	47	+ 9
9. IRELAND, NORTH	63	26	*	*	*	*	156	+ 39	54	− 43	24	+ 2	5·04	+2·02	157	+ 28	37	+ 7
10. IRELAND, SOUTH	65	27	*	*	*	*	191	+ 40	36	− 38	24	+ 5	3·24	−0·04	156	+ 8	37	+ 2
11. CHANNEL ISLANDS	69	29	*	*	*	*	204	+ 39	6	− 22	14	− 5	1·37	−1·04	231	+ 50	55	+12

THE YEAR.—Aggregates, &c., for the period of 14 Weeks, December 30th, 1906, to April 6th, 1907.

0. SCOTLAND, NORTH	66	8	*	*	*	*	149	+ 23	444	− 19	74	+ 4	18·02	+3·66	232	+ 20	25	+ 2
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	202	+ 37	505	− 4	47	− 8	5·94	−1·25	346	+ 89	37	+10
2. ENGLAND, N.E.	69	15	*	*	*	*	253	+ 70	448	+ 22	46	− 5	4·00	−1·36	406	+154	42	+16
3. ENGLAND, EAST	70	10	*	*	*	*	225	+ 2	487	+ 15	42	− 8	3·94	−1·27	394	+103	40	+11
4. MIDLAND COUNTIES	71	10	*	*	*	*	275	+ 33	496	+ 25	40	− 9	3·83	−2·28	360	+105	37	+11
5. ENGLAND, SOUTH	71	16	*	*		*	263	+ 5	405	+ 50	38	− 9	4·27	−2·11	401	+118	40	+12
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	221	+ 37	353	− 11	59†	− 1	13·15†	+0·26	279	+ 35	29	+ 4
7. ENGLAND, N.W.	68	15	*	*	*	*	227	+ 29	376	+ 22	53	− 2	7·63	−0·71	354	+107	36	+11
8. ENGLAND, S.W.	67	5	*	*	*	*	262	− 27	368	+ 89	53	− 1	7·20	−2·78	354	+ 50	36	+ 5
9. IRELAND, NORTH	63	16	*	*	*	*	249	+ 7	262	− 52	67	+ 3	10·15	+0·58	274	+ 26	28	+ 3
10. IRELAND, SOUTH	65	11	*	*	*	*	348	+ 11	227	− 12	60	+ 3	7·01	−3·84	282	− 2	29	+ 0
11. ENGLISH CHANNEL	69	21	*	*	*	*	367	− 17	96	− 11	48	−12	4·97	−3·35	391	+ 42	39	+ 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

† Corresponding values for last week altered owing to the receipt of further information.

March 31–April 6, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	50	38	46·0	39·9	42·8	+ 2·8	14	6	2	0·16	- 0·40	39·9	+ 9·5	43	+ 10
		Stornoway	60	32	52·3	40·6	46·2	+ 4·7	35	4	4	0·32	- 0·44	39·4	+ 7·7	43	+ 8
	Mainland.	Wick	58	38	50·0	40·1	44·8	+ 3·4	28	5	1	0·65	+ 0·22	*	*	*	*
		†Lairg (Strathpeffer) .. 𝔐	63	32	54·0	37·6	45·4	+ 5·4	42	12	4	0·64	+ 0·01	44·3	+ 16·2	48	+ 18
		Glencarron	62	34	52·3	37·2	44·4	+ 3·7	37	13	5	0·87	- 0·58	*	*	*	*
		Fort Augustus	63	29	54·7	36·8	45·3	+ 3·1	45	15	5	1·24	+ 0·60	38·2	+ 14·9	42	+ 16
		Fort William .. .. 𝔐	63	29	53·3	36·8	44·7	+ 1·7	41	15	6	1·69	+ 0·50	*	*	*	*
1. SCOTLAND, E.		Nairn	66	31	57·1	38·0	47·1	+ 4·9	53	11	3	0·22	- 0·12	50·4	—	55	—
		Aberdeen	58	36	49·1	40·6	44·7	+ 2·6	25	4	3	0·28	- 0·22	33·5	+ 1·1	36	+ 1
		†Balmoral (Crathes) .. 𝔐	56	25	49·7	34·1	41·5	+ 2·8	22	30	6	1·39	+ 0·84	34·6	—	38	—
		†Clathick (Balruddery) .. 𝔐	60	29	52·2	35·4	43·4	+ 0·7	38	18	5	1·36	+ 0·77	30·0	—	33	—
		†Leith (Edinburgh)	65	36	56·7	40·9	48·4	+ 4·9	49	3	5	0·59	+ 0·26	36·9	+ 11·5	41	+ 13
		Marchmont .. .. 𝔐	60	29	52·9	36·0	44·0	+ 2·7	39	17	3	0·63	+ 0·09	36·8	+ 7·4	40	+ 8
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	68	32	53·9	36·1	44·6	+ 2·8	43	17	4	0·95	+ 0·45	34·3	—	38	—
		†Shields (Newcastle)	58	33	51·9	36·0	43·6	+ 1·2	36	17	4	0·77	+ 0·40	23·4	0·0	26	0
		Durham	64	32	57·4	36·9	46·7	+ 4·5	54	14	5	1·02	+ 0·59	39·8	+ 10·9	44	+ 12
		Scarborough .. .. 𝔐	62	38	53·4	41·9	47·4	+ 4·4	38	0	4	0·87	+ 0·47	44·4	—	49	—
		York	68	36	60·4	39·9	49·7	+ 6·0	63	6	5	0·56	+ 0·20	40·0	+ 11·9	44	+ 13
	Southern part.	Spurn Head	55	40	51·0	42·4	46·5	+ 3·5	32	0	5	0·49	+ 0·19	*	*	*	*
		†Lincoln (Skegness)	68	35	60·8	38·6	49·2	+ 4·9	65	10	4	0·45	+ 0·10	50·9	—	56	—
		†Fulbeck (Rauceby)	69	36	60·8	39·4	49·6	+ 5·9	64	7	4	0·59	+ 0·23	46·2	—	51	—
3. ENGLAND, E	Northern part.	Hillington .. .. 𝔐	70	35	62·5	39·2	50·3	+ 6·3	70	8	4	0·47	+ 0·07	47·6	+ 15·8	52	+ 17
		†Yarmouth (Lowestoft) ..	52	41	49·6	43·1	46·2	+ 3·4	29	0	4	0·18	- 0·19	58·3	—	64	—
		Geldeston	64	30	58·9	37·0	47·4	+ 3·6	59	14	4	0·27	- 0·08	52·1	+ 18·0	57	+ 20
		(Cromer)												53·9	—	59	—
	Southern part.	Cambridge	69	32	62·0	37·9	49·4	+ 4·8	69	11	3	0·15	- 0·19	45·5	+ 12·1	50	+ 13
		Felixstowe	56	34	52·6	39·8	45·9	+ 1·7	37	6	4	0·29	—	57·5	—	64	—
		Clacton-on-Sea	58	40	53·0	42·0	47·2	+ 2·7	36	0	3	0·27	—	56·3	—	63	—
		Rothamsted	68	31	59·9	36·8	47·8	+ 4·1	62	15	3	0·20	- 0·22	47·6	+ 16·1	53	+ 18
		Shoeburyness	60	36	56·6	39·9	47·9	+ 2·7	50	6	3	0·28	+ 0·01	*	*	*	*
		London, Westminster	68	37	60·4	40·1	49·8	+ 4·4	63	5	3	0·60	+ 0·23	38·3	+ 16·1	43	+ 18
		(Dunmow)												47·9	—	55	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	65	36	57·9	38·5	47·7	+ 5·5	55	10	5	0·38	- 0·10	42·2	—	46	—
		†Rawtry (Worksop)	71	30	64·0	36·3	49·5	+ 5·5	76	16	5	0·52	+ 0·16	43·2	+ 15·6	48	+ 17
		Nottingham	67	32	60·0	38·7	48·8	+ 4·6	61	9	4	0·36	0·00	41·9	—	46	—
		Birmingham, Edgbaston ..	66	37	57·9	40·1	48·6	+ 4·9	54	5	3	0·24	- 0·16	37·5	—	41	—
		Oxford	68	35	59·9	38·4	48·6	+ 3·9	61	10	3	0·20	- 0·15	42·8	+ 11·4	48	+ 13
	Western part.	†Cheadle (Sheffield) .. 𝔐	64	35	57·5	39·4	48·0	+ 5·5	53	7	3	0·19	- 0·29	40·6	—	45	—
		Shrewsbury	68	32	59·6	35·0	46·7	+ 2·4	62	20	3	0·12	—	*	*	*	*
		Hereford .. .. 𝔐	67	29	57·9	34·5	45·6	+ 1·2	57	21	4	0·33	- 0·05	*	*	*	*
		Cirencester	66	28	57·1	34·1	45·1	+ 0·7	55	22	4	0·47	+ 0·03	49·5	+ 16·9	55	+ 20
		Bath	67	30	57·9	35·4	46·1	+ 1·0	56	18	3	0·36	- 0·11	51·1	—	57	—
		(Margate)												45·2	+ 12·5	50	+ 15
5. ENGLAND S.		Kew	67	33	59·8	39·4	49·1	+ 4·2	61	7	3	0·77	+ 0·40	43·6	+ 13·3	48	+ 15
		Wisley, Surrey	69	32	60·5	38·0	48·7	+ 4·0	64	11	5	0·91	—	48·5	—	54	—
		†Swarraton (Ventnor) .. 𝔐	69	30	58·4	36·3	46·8	+ 3·4	58	16	5	0·86	+ 0·41	53·3	+ 15·3	59	+ 17
		Tunbridge Wells .. 𝔐	68	35	60·1	40·1	49·6	+ 5·4	61	5	4	0·84	+ 0·40	52·6	+ 19·1	58	+ 21
		†Dungeness (Littlestone) ..	56	34	53·0	39·9	46·1	+ 1·7	38	6	3	0·49	+ 0·18	53·8	—	60	—
		Hastings	62	40	55·6	42·5	48·7	+ 3·9	47	0	4	0·32	- 0·10	57·4	+ 21·0	64	+ 24
		Southampton	71	36	59·1	39·4	48·8	+ 2·7	59	7	5	0·91	+ 0·45	50·6	+ 15·9	56	+ 18
		†Portland Bill (Worthing) ..	54	41	51·0	44·0	47·3	+ 1·5	37	0	4	0·61	—	59·9	—	67	—
		(Eastbourne)												50·8	+ 23·4	66	+ 26
6. SCOTLAND, W.		†Laudale (Oban)	62	35	53·2	39·4	46·0	+ 2·3	39	7	5	2·25	+ 1·09	35·6	—	39	—
		Glasgow	63	35	54·8	38·6	46·3	+ 3·9	44	10	4	1·04	+ 0·51	30·9	+ 5·8	34	+ 6
		Dumfries .. .. .. 𝔐	64	31	58·1	36·8	46·9	+ 3·5	56	15	4	1·44	+ 0·81	*	*	*	*
		Cally	58	29	54·8	34·3	44·1	+ 1·0	47	22	4	1·08	+ 0·37	*	*	*	*
		Douglas, Isle of Man	55	32	50·9	36·8	43·5	- 0·1	32	15	4	1·19	+ 0·61	39·6	+ 2·4	44	+ 3
7. ENGLAND, N.W.		Aspatria	63	30	56·9	38·6	47·3	+ 4·3	51	10	4	0·74	+ 0·21	44·9	—	49	—
		Newton Rigg	61	28	55·4	34·8	44·6	+ 2·6	48	20	4	0·65	+ 0·17	50·3	+ 19·3	55	+ 21
		Stonyhurst	63	31	55·9	37·6	46·3	+ 3·4	49	12	4	0·80	+ 0·14	43·4	+ 13·1	48	+ 14
		Blackpool .. .. 𝔐	66	29	56·7	36·4	46·1	+ 2·4	52	16	3	0·42	- 0·02	51·1	+ 20·0	56	+ 22
		Manchester, Prestwich ..	68	34	59·2	38·3	48·3	+ 5·0	60	10	4	0·38	- 0·13	38·5	+ 13·6	42	+ 15
		†Liverpool Obs. (Hoylake) ..	65	39	56·9	42·0	49·1	+ 4·7	50	0	4	0·20	- 0·18	47·6	—	52	—
		†Hawarden Bridge (Southport)	63	32	57·3	36·8	46·6	+ 1·7	54	15	5	0·12	- 0·17	49·4	+ 17·0	54	+ 19
NORTH WALES		Llandudno .. .. 𝔐	63	37	57·5	38·7	47·7	+ 2·3	54	9	3	0·32	- 0·12	47·9	+ 16·3	53	+ 18
		†Holyhead (Aberdovey) ..	56	38	52·4	41·7	46·8	+ 1·7	35	1	4	1·06	+ 0·57	53·4	—	59	—
		Bettws-y-Coed	68	32	58·6	36·3	46·9	+ 2·3	58	16	4	0·55	—	47·9	—	53	—
8. SOUTH WALES		Llangammarch Wells	65	24	55·9	32·3	43·5	+ 0·5	51	27	4	0·82	—	41·1	—	46	—
		Pembroke	52	39	49·3	41·1	45·0	+ 0·2	25	3	5	1·17	+ 0·69	41·7	+ 5·4	46	+ 6
		†Cardiff (Aberystwyth)	66	29	56·8	35·7	45·8	+ 0·2	53	18	4	0·86	+ 0·26	49·5	—	54	—
ENGLAND, S.W.		†Clifton (Torquay)	67	36	57·1	41·6	49·0	+ 4·1	51	1	4	0·46	- 0·07	49·1	+ 12·1	55	+ 14
		†Shaftesbury (Marlborough) 𝔐	66	37	55·2	41·7	48·1	+ 4·9	44	1	4	0·80	+ 0·26	36·8	+ 7·6	41	+ 9
		†Arlington (Newquay)	66	32	55·6	36·4	45·5	+ 2·3	48	16	4	1·16	+ 0·40	39·9	+ 3·9	44	+ 4
		Cullompton .. .. 𝔐	67	31	56·8	34·4	45·1	- 0·6	54	21	4	1·66	+ 1·11	46·9	+ 14·8	52	+ 18
		Plymouth	65	35	54·6	39·3	46·6	+ 0·2	44	8	4	1·29	+ 0·75	43·3	+ 7·9	48	+ 9
		Falmouth	53	37	51·6	40·0	45·5	- 0·7	33	6	5	1·47	+ 0·77	34·8	- 2·6	39	- 3
9. IRELAND, N.	Western part.	Malin Head	55	36	49·9	39·3	44·4	+ 0·4	28	8	4	0·69	+ 0·24	*	*	*	*
		Edenfel	57	30	51·1	35·9	43·1	+ 0·4	33	17	5	0·99	+ 0·40	*	*	*	*
		Blacksod Point	54	33	48·9	40·1	44·3	- 1·0	24	5	6	1·17	+ 0·44	*	*	*	*
		Markree Castle	57	31	51·2	36·3	43·4	- 0·7	34	16	4	0·59	- 0·03	29·1	- 0·7	32	- 1
	Eastern part.	Armagh	55	31	50·8	36·8	43·5	0·0	32	15	4	0·92	+ 0·45	41·1	+ 11·7	45	+ 13
		Donaghadee	55	35	50·7	38·4	44·3	+ 0·2	31	10	4	1·36	+ 0·92	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	57	32	52·3	36·9	44·2	- 1·5	37	14	4	0·90	+ 0·46	31·1	- 2·6	34	- 3
		Kilkenny	55	29	50·4	36·1	42·9	- 2·3	31	17	4	0·98	+ 0·48	*	*	*	*
		Waterford	59	29	52·0	36·4	43·8	- 1·0	36	16	4	1·32	+ 0·69	*	*	*	*
	Western part.	Birr Castle	58	30	51·1	36·6	43·5	- 0·8	33	15	4	0·92	+ 0·40	31·7	+ 0·5	35	+ 1
		Foynes	58	28	51·6	37·2	44·1	- 1·3	35	13	6	0·91	+ 0·33	*	*	*	*
		Killarney	57	29	52·3	37·2	44·4	- 1·8	37	13	7	1·75	+ 0·85	*	*	*	*
		Valencia	55	33	49·6	38·9	44·0	- 2·9	27	9	7	2·58	+ 1·67	25·8	- 7·5	29	- 8
		†Roches Point (Ballinacurra) ..	51	32	49·9	39·0	44·2	- 2·1	28	8	4	1·08	+ 0·38	22·6	—	25	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	54	43	51·1	44·6	47·7	+ 0·3	40	0	5	0·91	+ 0·41	28·2	- 9·3	31	- 10
		†Jersey, St. Aubins (St. Heliers)	69	42	56·0	45·0	50·2	+ 2·8	57	0	5	0·39	- 0·11	48·0	+ 8·4	53	+ 9
		Guernsey	65	40	58·0	43·6	50·5	+ 3·6	60	0	3	0·58	+ 0·02	51·5	+ 11·5	57	+ 13

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ Dew or hoar frost.

Additional Sunshine Totals for the week: Ramsgate, 50·0 hrs., 56 %; Brighton, 52·1 hrs. (+16·3), 58 % (+ 18 %); Bournemouth, 52·3 hrs., 58 %; Bognor, 58·3 hrs., 65 %; Rhyl, 51·3 hrs., 56 %; Tenby, 50·0 hrs. (+ 11·9), 56 % (+ 13 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	41·4
	Crathes	3	25	42·2	40·8
	Balmoral	3	21	—	—
	Marchmont ..	—	—	43·7	—
2.	Cockle Park	4	27	43·8	42·6
	York	—	—	44·5	42·5
	Hull	0	35	43·6	41·9
	Lincoln	—	—	46·3	43·4
3.	Lowestoft	—	—	46·7	44·1
	Cambridge	4	27	48·1	45·7
	Dunmow	4	27	—	—
	Clacton-on-Sea ..	1	30	46·5	45·9
4.	Harrogate	3	26	43·5	42·8
	Sheffield	0	31	44·5	41·9
	— — ..				
	Birmingham	4	22	46·2	44·5
	Nottingham	1	30	45·4	42·3
	— — ..				
5.	Kew	5	23	46·1	45·0
	Canterbury	1	30	46·3	45·5
	Portsmouth	3	28	47·8	47·0
	Wisley	—	—	46·6	45·3
	— — ..				
6.	Glasgow	2	27	—	—
	— — ..				
7.	Newton Rigg ..	4	22	44·5	42·2
	Southport	3	24	45·6	44·4
	Manchester City ..	0	34	45·1	43·5
	Bettws-y-Coed ..	2	30	43·1	43·9
	— — ..				
8.	Llangammarch Wells	5	16	44·5	43·9
	Bath	—	—	47·2	46·3
	Plymouth	1	29	48·0	—
	— — ..				
9.	Armagh	2	25	45·6	45·2
	Markree Castle ..	4	24	—	—
10.	Dublin, Trin. Coll. ..	4	22	45·2	46·0
11.	Guernsey, Brooklyn	0	35	50·0	48·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	45	43	43·7
	Wick	—	—	—
SCOTLAND, E.	Cromarty	46	43	45·0
	Pennan Bay	43	42	42·2
	Aberdeen, Cove Bay ..	45	43	44·0
ENGLAND, N.E.	Burnmouth, Berwick ..	43	40	41·3
	Scarborough	45	40	42·5
ENGLAND, E.	Shipwash Lightship ..	44	41	42·6
	Margate‡	48	44	45·4
ENGLAND, S.E.	Eastbourne‡	47	46	46·3
SCOTLAND, W.	Lamlash	46	44	44·9
	Tallantrae	47	45	46·0
ENGLAND, N.W.	Port Erin	46	45	45·1
ENGLAND, S.W.	Newquay	50	48	49·5
	Plymouth‡	48	47	47·8
	Salcombe	47	46	46·9
IRELAND, N.W.	Sheephaven	48	46	47·0
	Ballyglass	52	43	47·3
IRELAND, S.W.	Cleggan	49	42	47·3
	Seafield	52	46	48·0
IRELAND, E.	Kingstown‡	45	45	45·0

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

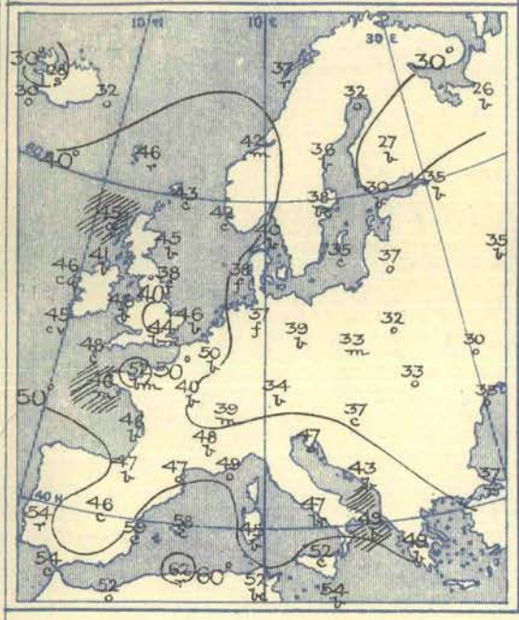
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 31st March, 1907.

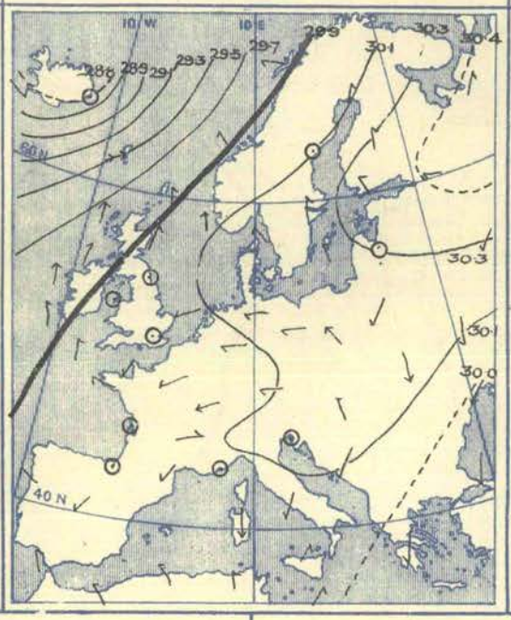
Temperature and Weather.

8 a.m.

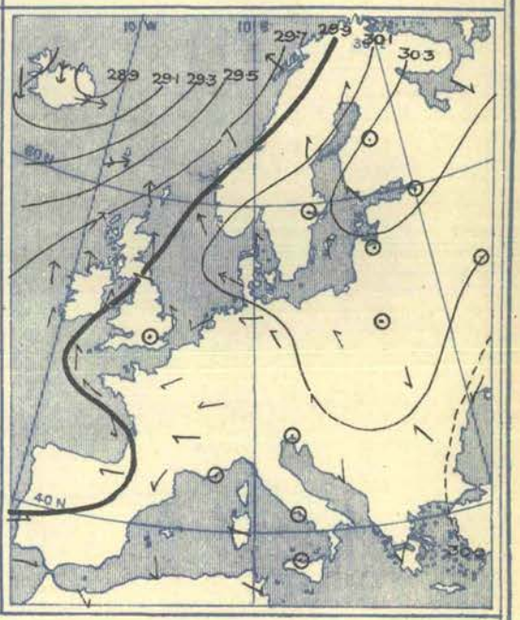


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fair to very fine over the greater portion of our area, but rainy at Thorshavn and in the north-west of Norway, as well as at Constantinople, snow falling in Iceland, and fog or mist prevailing in Denmark and North Germany. Continuing very fine in nearly all regions throughout the ensuing twenty-four hours.

Temperature changed irregularly. Readings in morning below 40° over most of the European mainland and at some English stations; below 32° in the east and north-east of Russia and over Iceland, but above 50° in the extreme south of our area, and as high as 59° at Barcelona. Rising later to 70° or rather higher in several southern and south-western localities, and to nearly 70° at some stations in the south and south-east of England. Maximum no higher than 50° at Athens and 55° at Patras.

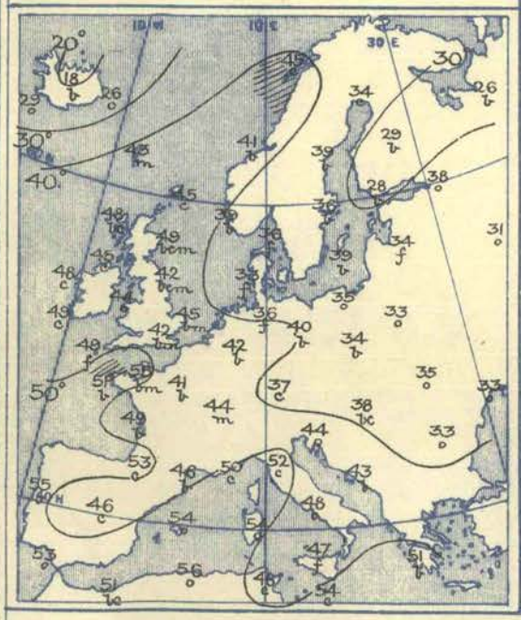
Wind in morning moderate to fresh from the Southward along our western coasts, and strong to a gale from South West at Thorshavn. Light variable airs prevailing over the Mediterranean region, and an extensive anticyclonic circulation over all the north and east of our area. Not much change as a whole later, but a strong gale from between North and West setting in over Iceland.

Barometer in morning ranging from above 30·4 ins. in an anticyclonic system having its central part over the north of Russia, to less than 28·8 ins. in a large depression over Iceland and its vicinity. Latter travelling in an easterly direction during day and a very brisk increase of pressure taking place in its rear. Barometer continuing to fall slowly over the United Kingdom and France, but little change occurring in the general distribution.

Monday, 1st April 1907.

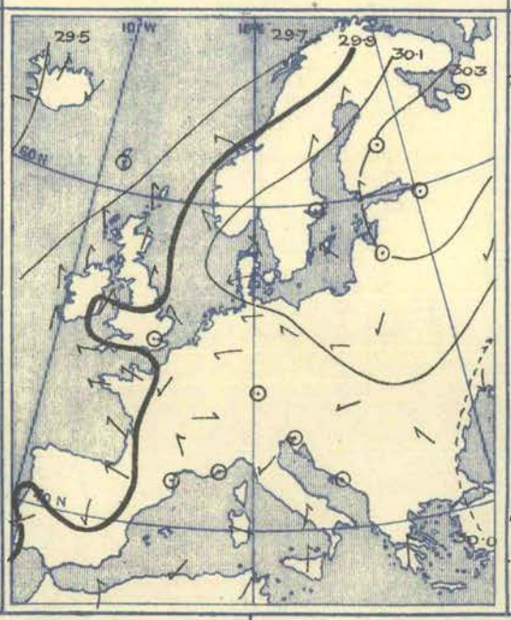
Temperature and Weather.

8 a.m.

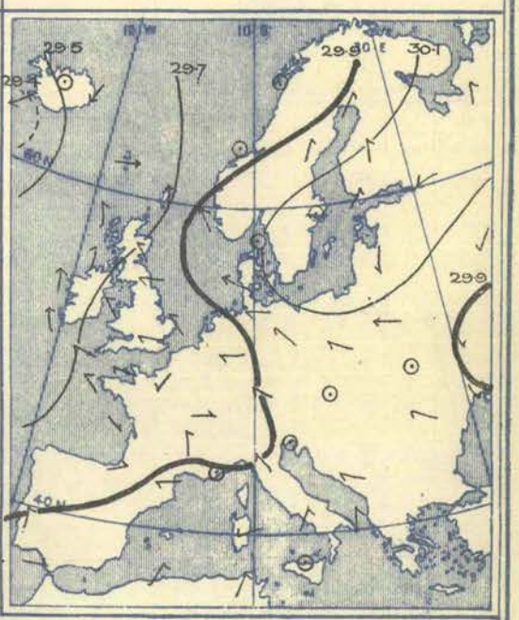


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. cloudy or overcast at a few Russian stations and foggy over Denmark, but very fine as a whole. More than half an inch of rain falling later at Valentia, Ireland, more than an inch at Bodö and Rome, and nearly half an inch at Aumale. Conditions remaining extremely fine and dry generally.

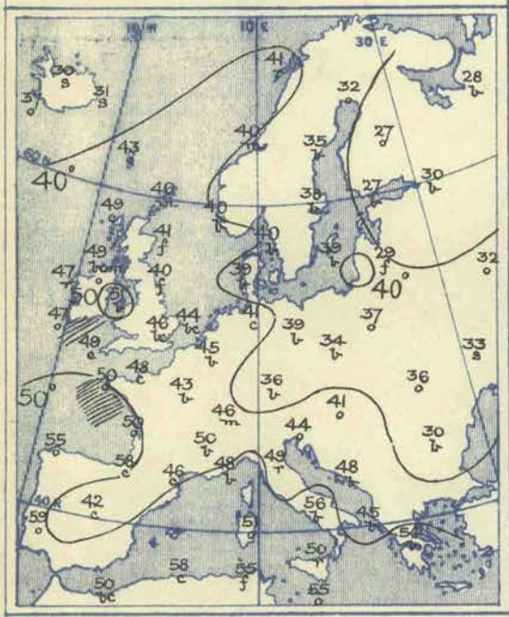
Temperature in morning above 50° at a few stations in the south of our area, and as high as 56° at Algiers. Much below the freezing point in Iceland and a little below it in the north-east of Europe, but slightly below or rather above 40° in most regions. Thermometer rising to above 60° in many parts of England during day and to above 65° in places. Maxima about 70° in the south-west of France and in Algeria, but only 53° at Rome and 55° at Malta and Patras.

Wind in morning light and generally anticyclonic, but a strong gale from South-West prevailing at Bodö. Latter subsiding to a calm by evening, but little change occurring over our area as a whole. A strong North-East breeze setting in over the west of Iceland.

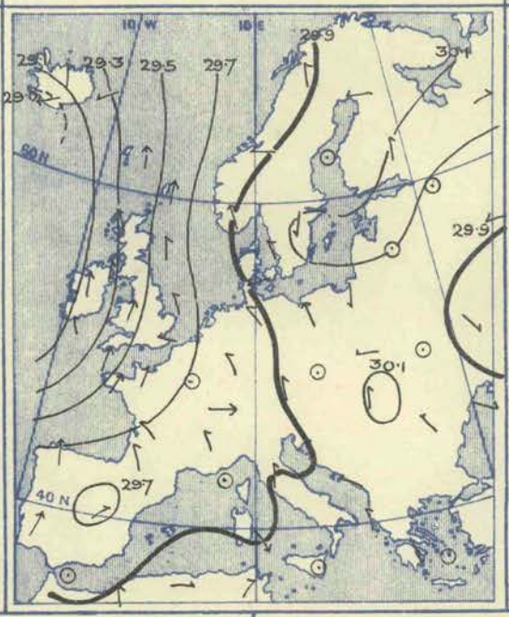
Barometer in morning 30·2 ins. to above 30·3 ins. in a very large high pressure system covering the Baltic region and extending thence to beyond Archangel. Below 29·5 ins. to the westward of Iceland. Distribution rather less regular than of late over our Islands and their immediate vicinity. No material modification taking place in the general character of the chart during day, but readings becoming lower in nearly all districts.

Tuesday, 2nd April, 1907.

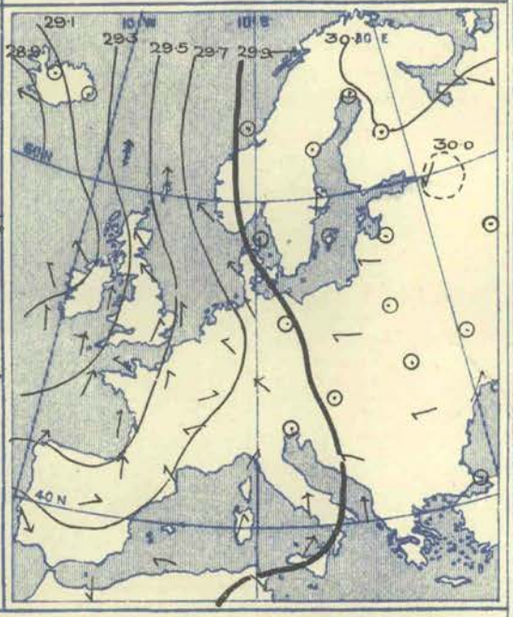
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. less settled than of late over the United Kingdom and the western regions of the Continent, but fair or fine at most stations. Overcast in the west of Ireland, with rain at Blacksod Point; rain also falling at Oporto, Palermo, and Florence, and at Bodö, and snow throughout Iceland and at Kieff. Much fog or mist prevailing along the east coasts of Great Britain. Rather heavy rain experienced later in the north and west of France and at a few of our own western stations, and slight falls in most parts of these Islands.

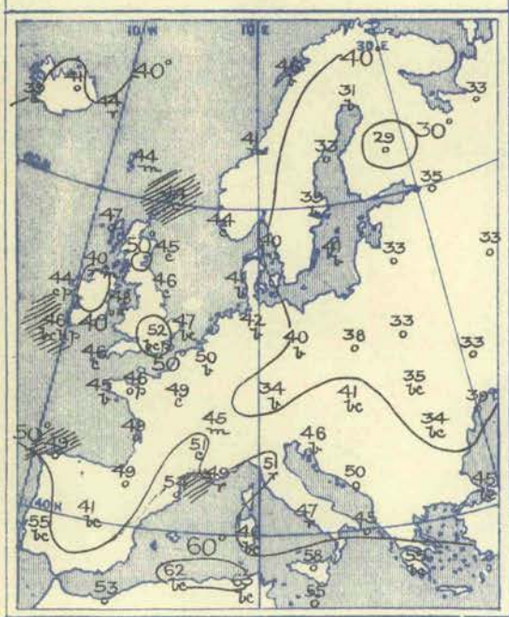
Temperature showing no general change. Readings in morning ranging from about 50° at some of our own stations and from about 55° at a few of those in Portugal and on the shores of the Mediterranean, to below 40° over a large part of the Continent and to below 32° in the north-east. Rising subsequently to 66° in London and at Nairn and to 70° at Paris. Maxima below 60° in most parts of Italy and at Athens, and only 49° at Constantinople.

Wind in morning high from the South-Eastward at Roche's Point and moderate or fresh from between South and South-East over these Islands generally. A fresh Southerly breeze prevailing in Portugal, but light and rather variable airs general over the major portion of the Continent. Becoming strong or high during day on many parts of our west and south-west coasts and attaining the force of a gale at Roche's Point. No general change taking place on the Continent.

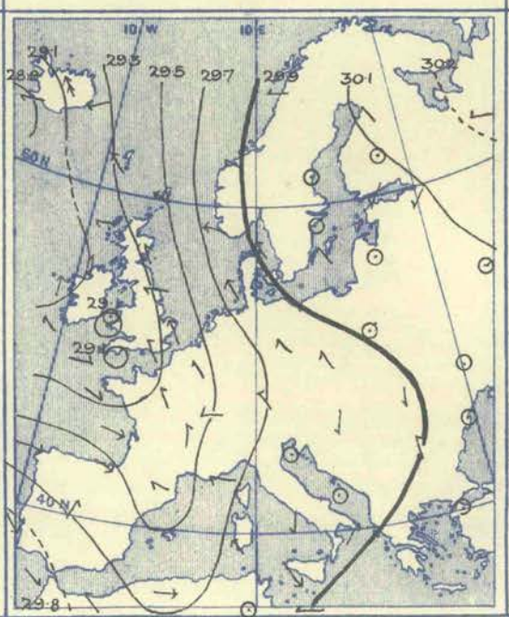
Barometer in morning above 30·1 ins. in an elongated area extending from the south of Sweden to beyond the White Sea, and also in a smaller maximum over the south of Hungary. Below 29·7 ins. over central Spain and below 29·0 ins. in a very large disturbance having its centre to the southward of Iceland. Barometer continuing to fall during day over all the western and north-western countries and some ill-defined secondary disturbances appearing over our own western districts.

Wednesday, 3rd April, 1907.

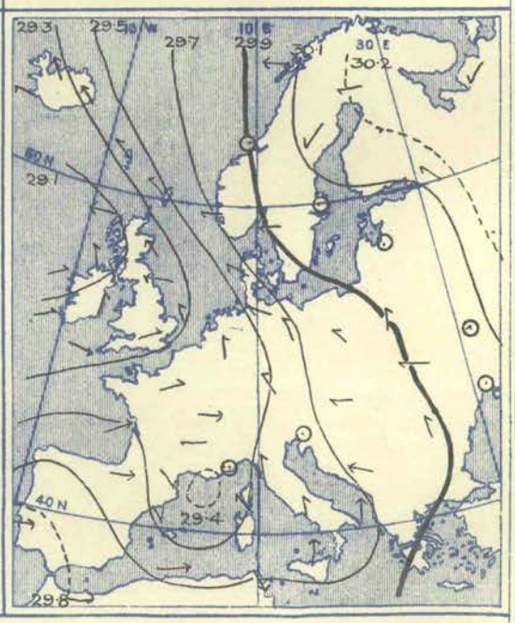
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in the United Kingdom, France, Italy, and also in Iceland, with rain or showers in several localities. Fair or fine in most other regions, but much cloud prevailing over Russia. Rain experienced later in most parts of these Islands, slight generally, but nearly half an inch in the north-east, and considerable amounts in the south-west and west. Rain heavy in the south and west of France.

Temperature fallen as a whole, risen in Iceland and Algeria. Readings in morning ranging from about 60° at a few stations in the extreme south to 50° or slightly higher in various parts of Great Britain, and to about 32° at several stations in the east and north-east of our area. Rising to 73° at Algiers during day, but failing to reach 60° at many southern stations, and only touching 50° at Nice and Croisette. Maxima above 60° in some parts of Scotland.

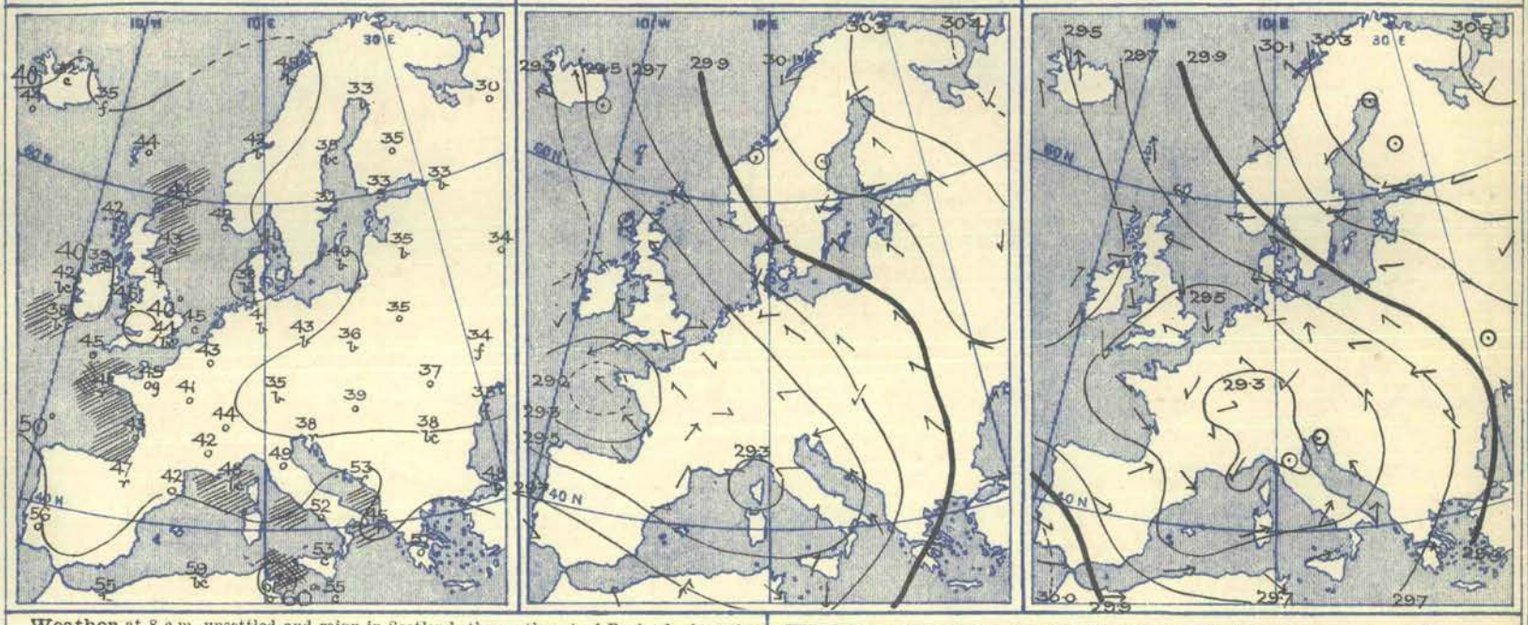
Wind in morning South-Easterly, fresh or strong between Germany and Iceland; light to strong from various quarters over the Mediterranean, and strong from the North-Westward over the Iberian Peninsula. Two local cyclonic circulations prevailing over this country. South-Easterly current increasing in force on our north-east coasts later and wind veering towards West over the south of England and the Channel. Some increase in force taking place over the Mediterranean.

Barometer in morning above 30·2 ins. over the White Sea and above 29·8 ins. in the extreme south-west of our area. Less than 28·9 ins. over the south of Iceland and relatively low in a very extensive disturbance stretching thence across our western districts to the south of France. Pressure changing irregularly later over all the western countries, and a separate minimum developing off the south of France. Mercury rising in Iceland, Scandinavia, and northern Russia.

Thursday, 4th April, 1907.

Temperature and Weather. — 8 a.m.

Barometer and Wind. — 8 a.m. | 6 p.m.



Weather at 8 a.m. unsettled and rainy in Scotland, the north-east of England, along the west coasts of France and the Spanish Peninsula, and also over the Gulf of Genoa, and on the shores of the Adriatic. Rain or snow falling over the Gulf of Finland. Fair or fine in most other regions. A little rain experienced later in the west and north of these Islands, and larger quantities over France and Italy. A thunderstorm accompanied by hail occurring at Biarritz.

Temperature risen over central Europe, fallen generally. Readings in morning about 40° over a large portion of the Continent and at many of our own stations, and as low as 30° at Archangel. Above 50° in many southern localities and as high as 91° at Tunis. Maxima during day not much above 50° at any of our own stations and below 60° in almost all parts of France and Italy, but as high as 70° on the coast of Algeria. Thermometer falling to 30° during night at Bath.

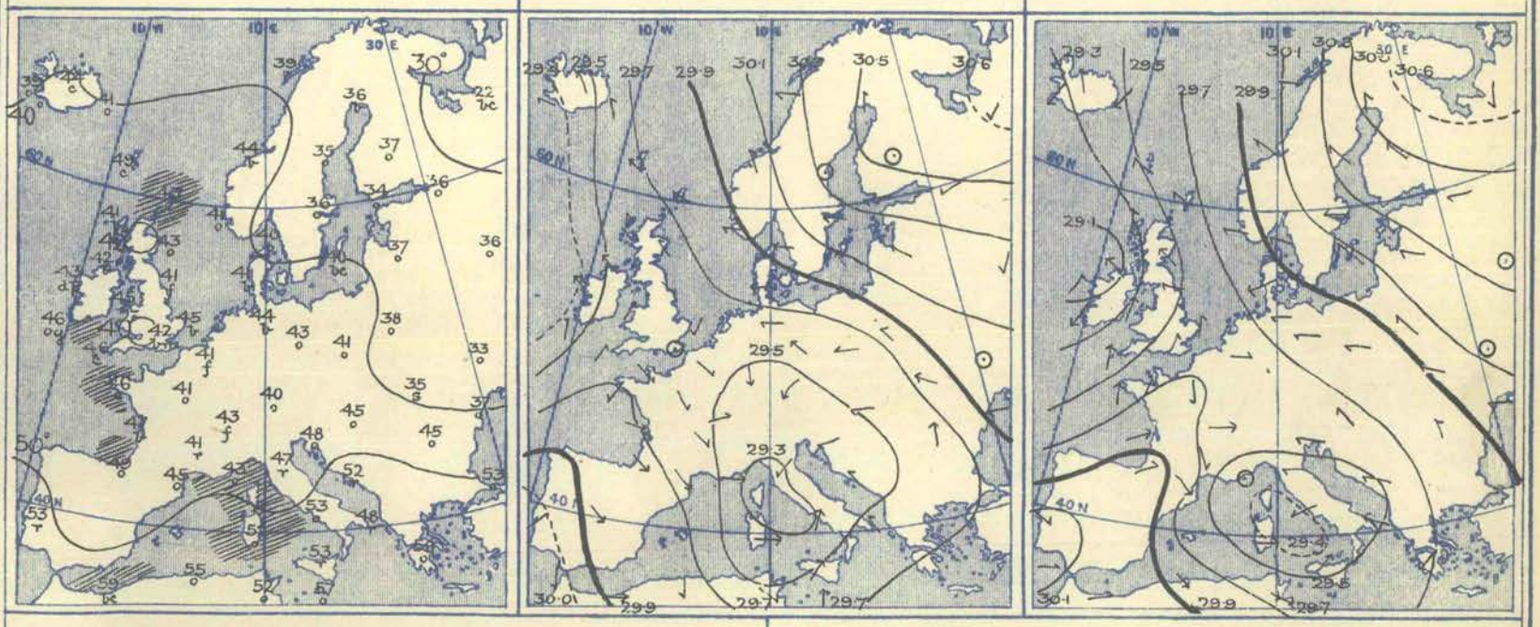
Wind in morning showing two distinct cyclonic circulations—one over the Mediterranean, and the other over the Bay of Biscay and its neighbourhood. Moderate or light generally, but fresh or strong breezes prevailing in places. Light winds between South and East forming the main current over eastern and northern Europe and between the North Sea and Iceland. No great change later, but some increase of force taking place in the far south.

Barometer in morning above 30·3 ins. over the north of Russia and the White Sea. Below 29·3 ins. in a depression over the Gulf of Genoa and in a larger system off our north-west coasts, and below 29·2 ins. in a well-marked disturbance having its minimum near Brest. Steepest gradient found over southern Europe. Barometer rising later over the Icelandic region, the United Kingdom and the west of France, and depression near Brest apparently moving eastwards and becoming less deep. A considerable modification in the form of the isobars taking place over France and its neighbourhood.

Friday, 5th April, 1907.

Temperature and Weather. — 8 a.m.

Barometer and Wind. — 8 a.m. | 6 p.m.



Weather at 8 a.m. cloudy or quite overcast at nearly all stations; rain falling at Nottingham, Blacksod Point, Lisbon, Prague and Vienna, and on the shores of the Adriatic, and snow at Lemberg. Rain experienced generally later over these Islands, the north and west of France, and over Italy, as well as at Patras and Athens. Considerable quantities measured in Ireland, the north of Scotland, and in Italy and the south-west of France.

Temperature changed irregularly, risen over Ireland and France. Readings in morning ranging from nearly 60° at a few stations in the far south to below 45° over our area generally, to below 35° in some north-eastern and eastern localities, and to 22° at Archangel. Maxima during day less than 60° as a whole, and only 53° and 55° respectively at Naples and Malta. Thermometer remaining below 50° on our east coasts, but rising to 59° at Oxford. Maximum at Oran as high as 72°.

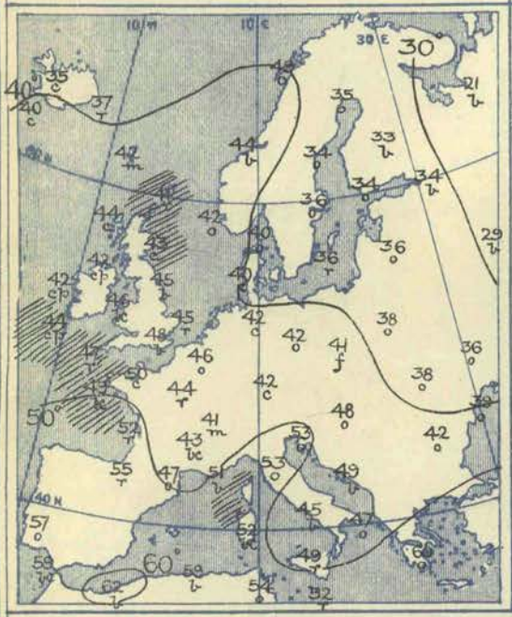
Wind in morning showing a very extensive cyclonic circulation around the Gulf of Genoa; light or moderate generally, but fresh or strong in places. A moderate Easterly to South-Easterly current prevailing over northern Europe and Iceland, and a Southerly or South-Easterly current over Ireland and Scotland. Southerly wind becoming high or reaching gale force by evening on many parts of our west and south west coasts, and attaining the strength of a gale at night at Wick. A North-Westerly gale reported from Tunis at 6 p.m.

Barometer in morning above 30·6 ins. in the vicinity of the White Sea, below 29·4 ins. in a large area beyond our western coasts, and below 29·3 ins. in a depression having its minimum over Corsica. Latter system extending in a south-easterly direction during day, and a fresh disturbance advancing over our own western coasts. Gradients increasing over our Islands generally, and becoming steep over the north of Ireland.

Saturday, 6th April, 1907.

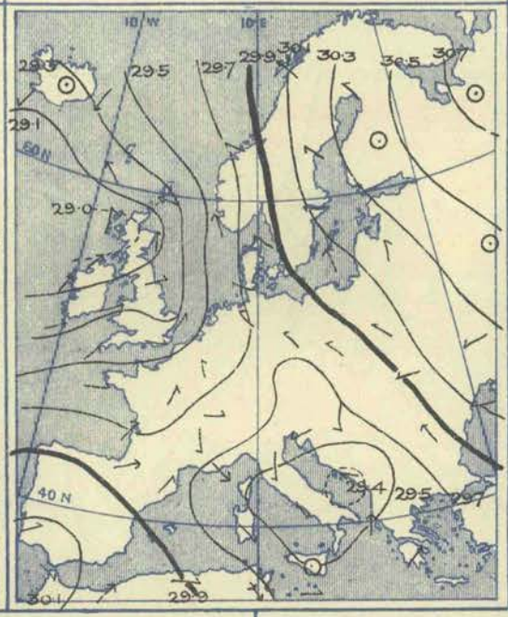
Temperature and Weather.

8 a.m.

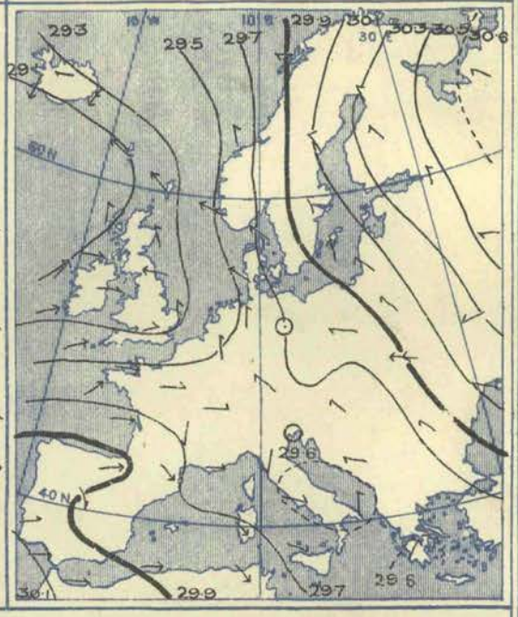


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fair or fine and bright in several parts of Russia and in a few localities elsewhere, but changeable and unsettled generally, with rain in various parts of these Islands and France, as well as at Oporto and at some stations on the shores of the Mediterranean and Adriatic, and rain or snow on some shores of the Baltic. Showers falling very generally during the ensuing twenty-four hours over these Islands and their neighbourhood, and very heavy snow in London and at some other places in the south of England during the night.

Temperature changed rather irregularly. Readings in morning ranging from 62° at Oran and 60° at Athens, to below 50° generally, to below 40° in the east and north-east, and to 21° at Archangel. Maxima above 50° during day in most parts of Great Britain and central Europe, above 60° over southern Europe, and above 70° at Palma and on the coasts of Algeria and Tunis. Highest value, 81° at Sfax. Thermometer only rising to 52° at Brindisi.

Wind in morning moderate or fresh from the Westward or South-Westward over England and Ireland, and high from the South-Eastward at Sumburgh Head and Thorshavn. A complete cyclonic circulation prevailing over the Adriatic and Mediterranean, the North-Westerly current blowing a gale at Tunis. Increasing in force from the West or South-West during day along our southern coasts, and rising to a gale from South-East at Skudesnaes.

Barometer in morning highest, 30·7 ins. and above, in the far north of Russia, and above 30·1 ins. over the south-west of the Spanish Peninsula. Lowest, 29·0 ins. and less, in a depression off our north-west coasts, and below 29·4 ins. in another system over the Adriatic. Little change taking place in the general distribution during day, but a secondary disturbance appearing over England. Barometer rising on our north-west coasts, as well as over the region of the Adriatic.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
March 31st, 11.36 a.m. to 1.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	60°	55°	[48°]					One kite, 77 sq. ft.; Max. height, 2,895 ft. Max. wire, 3,000 ft. Light, variable breeze occasionally failing altogether. Two or three times the kite rose nearly vertically above the station without exerting any appreciable pull on the wire. (At 12.46 p.m. wire 1,340 ft., angle 86°, no pull on wire).
		Humidity	58%	62%	[65%]					
		Wind Velocity, m. per hr.	SW,—	SW by S, 24	[SW by S, 21]					
April 1st, 6.12 p.m. to 6.37 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Abrupt change of wind direction about 9,500 ft., with small velocity, increasing above and below. Alto cumulus, moving from about SE. by S. At 3,500 metres, wind SW. by S, 9 m. per h.; at 4,000 metres, S by W, 13 m. per h. Fell 24 miles N 1° E.
		Humidity								
		Wind Velocity, m. per hr.	S ½ W, 6	SW by S, 7	SE by S ½ S, 8	ESE, 8	SE ½ S, 8	SE by S, 9	SW ½ S, 5	
April 2nd, 10.7 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	55°	48°	43°	[36°]			One kite, 77 sq. ft.; 10,000 ft. wire. Max. height, 6,250 ft. Cloudless. Very steady wind. Wind veered 3 points during ascent.
		Humidity	65%	70%	75%	80%	[70%]			
		Wind Velocity, m. per hr.	ESE, 15	SSE, 28	S, 30	S, 32	[S, 35]			
April 2nd, 5.46 p.m. to 6.0 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Wind veering with height up to 2,000 ft.; very little change in direction above. Velocity increasing to 50 m. per h. at 7,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	SE ½ S, 8	S by E, 23	S ½ W, 33	S by W, 40	S by W, 47			
April 3rd, 10.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Strong, gusty SE wind. Wire broke when 1,500 ft. were out. Trace not readable. Rapid decrease of temperature. Clouds not reached at 1,700 ft. Cloud velocity above 50 m. per h. Later the wind dropped.
		Humidity								
		Wind Velocity, m. per hr.								
April 3rd, 6.14 p.m. to 6.34 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Wind veering up to 2,500 ft., backing above. Wind decreasing to 10 m. per h. at 7,500 ft.
		Humidity								
		Wind Velocity, m. per hr.	WSW, 6	W by S, 15	W ½ N, 15	W by S ½ S, 16	SW by W, 15	SW by S, 14	S by W, 25	
April 4th, 6.34 p.m. to 6.57 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Wind backing between 8,000 and 10,000 ft. Some fracto cumulus coming from about E by N; cirrus above. At 3,500 metres, wind N½E, 8 m. per h.
		Humidity								
		Wind Velocity, m. per hr.	E by N, 10	E by N, 14	ENE, 14	ENE, 12	ENE, 9	ENE, 13	N by W, 9	
April 5th, 4.40 p.m. to 5.6 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Wind veering and velocity decreasing above 12,000 ft. Cirro stratus. At 3,500 metres, wind SW., 28 m. per h.; at 4,000 metres, W ½ S, 20 m. per h.
		Humidity								
		Wind Velocity, m. per hr.	SW by W, 9	WSW, 21	SW ½ W, 21	SW, 14	SW ½ S, 16	SW, 18	SW ½ W, 26	
April 6th, 9.54 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	48°	42°						One kite, 77 sq. ft.; 3,400 ft. wire. Max. height, 2,200 ft. Temperature, 39°. Very light wind. Cloud height, 5,000 ft. A small depression gave very strong winds from S, and later from W, about 5 p.m.
		Humidity	75%	75%						
		Wind Velocity, m. per hr.	WSW, 10	WSW, 20		WSW, 10				
April 6th, 10.22 a.m. to 12.35 p.m.	Brighton, 380 ft.	Temperature F.	40°	42°	34°					Two kites, 104 sq. ft.; 6,000 ft. wire. Max. height, 3,300 ft. Humidity very variable. Heavy cumulus in N. Rain at 2.30 p.m.
		Humidity	90%	80%	80%					
		Wind Velocity, m. per hr.	W, 15	—, 15	W, 15					
April 6th, 6.13 p.m. to 6.41 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon.* Wind backing a little up to 4,000 ft.; velocity, a maximum at about 5,000 ft. Cirrus and cumulo nimbus. At 3,500 metres, wind W by S ½ S. 32 m. per h.; at 4,000 metres, W by S, 32 m. per h.
		Humidity								
		Wind Velocity, m. per hr.	W ½ N, 13	W, 28	W ½ S, 37	W by S, 43	W ½ S, 33	W by S ½ S, 32	W by S, 32	

Correction for last week.

The ascent at Brighton should have been entered for the 29th instead of 27th.

* Uniform ascensional velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *April 10th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 15. FIFTEENTH WEEK, ENDING SATURDAY, APRIL 13TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

(See p. 116)

I.—General Remarks.

Weather was generally unsettled, with more cloud and rain over the Kingdom as a whole than for a long time past. Thunderstorms, or thunder alone, occurred in nearly all English districts—mostly about the middle of the week—as well as in Ireland and the south of Scotland.

Temperature was below the average except in Scotland N., the deficit was greatest in the south. The highest of the maxima were recorded on rather irregular dates; in most districts they ranged between 55° and 57°, but in Scotland N. and Ireland N. the thermometer rose no higher than 54° and 53° respectively. The lowest of the minima, which were registered in most places on the 7th, ranged from 26° in England S W. and 29° in Scotland E. to 32° in several English districts, and to 37° in the Channel Islands.

Mean Temperature of the Sea.—The mean warmth of the water differed very little from that of the week immediately preceding, the greatest variations being a decrease of 1·3° at Cromarty, and an increase of 1·0° at Newquay. Between the mean temperature at Newquay, the warmest place, and at Burnmouth, the coldest, the difference was 9·1°.

Rainfall was in excess of the average except in England N.W., Ireland N., and Scotland N. and W. Over the southern and south-western counties of England the excess was large.

Bright Sunshine was less than the average in all districts, the percentage of the possible duration was below 30 in most localities, and as low as 21 and 20 respectively in England N.E., in the Midland Counties and England N.W. In Ireland S.W. the percentage was as high as 37, while in the Channel Islands it was 45.

Barometer and Wind.—During nearly the whole of the period the barometer was lower over these Islands than in the surrounding regions. A more or less well-defined, but shallow, disturbance, containing sometimes two or three local minima, lay over the Kingdom during several days, gradually moving southwards to France and the Bay of Biscay. Towards the end of the week the centre of a deeper disturbance moved northwards from Brittany to the Channel off Portland, and subsequently travelled westwards to the mouth of the Channel, and then southwards to Brittany again. The arrival of this system, together with a decided increase of pressure in Iceland and Norway, caused the wind over this country to become Easterly, and to blow a fresh gale at Yarmouth and Portland Bill and a strong breeze or high wind in many other places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 116.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Light	Moderate	Very heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 6 weeks from Mar. 3rd, 1907.	Warmth ...	2*1	2*1	3*1	3*0	3*0	3*0	3*0	3*0	3*1	3*0	4*1	3*1
	Rainfall ...	3*1	3*1	1*1	1*2	1*1	2*2	3*2	2*1	2*2	4*0	2*3	2*2
	Sunshine ...	1*0	3*1	5*1	5*1	3*1	4*1	1*1	4*1	2*2	2*1	2*2	2*0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THE WEEK (15th)—April 7th to 13th, 1907.

DISTRICTS. (See p. 115.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	30	48·1	37·7	42·7	+ 0·9	23	+ 1	12	- 10	4	- 1	0·37	-0·30	31	- 2	32	- 2
Eastern																		
1. SCOTLAND, EAST	56	29	47·3	36·3	41·6	- 1·0	15	- 13	22	+ 1	4	0	0·76	+0·34	24	- 9	25	- 9
2. ENGLAND, N.E.	55	32	48·0	38·6	43·1	- 0·3	22	- 5	10	- 6	4	+ 1	0·42	+0·07	20	- 12	21	-13
3. ENGLAND, EAST	56	32	50·0	38·6	44·0	- 0·6	28	- 9	10	- 5	5	+ 1	0·65	+0·30	21	- 15	23	-16
4. MIDLAND COUNTIES	56	31	49·8	37·7	43·4	- 1·2	28	- 11	12	- 5	5	+ 2	0·93	+0·53	18	- 15	20	-15
5. ENGLAND, SOUTH	57	32	50·3	38·1	43·9	- 2·1	30	- 10	11	+ 1	4	+ 1	0·93	+0·60	29	- 7	31	- 7
Western																		
6. SCOTLAND, WEST	57	31	49·8	37·0	43·1	- 0·8	29	- 2	14	- 1	2	- 2	0·18	-0·44	30	- 6	32	- 6
7. ENGLAND, N.W.	56	32	48·8	38·1	43·2	- 1·4	25	- 7	11	- 1	4	+ 1	0·27	-0·20	19	- 16	20	-17
8. ENGLAND, S.W.	57	26	49·3	38·8	43·8	- 2·2	26	- 12	9	+ 1	6	+ 2	1·46	+0·96	27	- 12	29	-13
9. IRELAND, NORTH	53	30	49·6	37·5	43·3	- 1·6	28	- 6	13	+ 2	5	+ 1	0·49	-0·04	24	- 9	26	-10
10. IRELAND, SOUTH	57	30	50·3	38·7	44·2	- 2·1	29	- 12	9	+ 1	7	+ 3	0·84	+0·27	35	- 2	37	- 2
11. CHANNEL ISLANDS	57	37	51·3	42·1	46·5	- 1·7	32	- 12	0	- 1	5	+ 1	1·12	+0·70	42	- 2	45	- 2

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 6 Weeks, March 3rd to April 13th, 1907.

0. SCOTLAND, NORTH	66	18	*	*	*	*	119	+ 31	121	- 48	30	+ 1	6·31	+1·27	171	+ 17	33	+ 3
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	149	+ 28	146	- 27	21	- 3	3·26	+0·41	208	+ 42	40	+ 8
2. ENGLAND, N.E.	69	24	*	*	*	*	200	+ 70	116	- 25	22	+ 1	2·14	-0·18	246	+ 78	48	+15
3. ENGLAND, EAST	70	21	*	*	*	*	207	+ 37	118	- 30	20	0	1·95	-0·16	261	+ 75	51	+14
4. MIDLAND COUNTIES	71	18	*	*	*	*	237	+ 60	131	- 21	21	+ 2	2·30	-0·06	224	+ 56	43	+11
5. ENGLAND, SOUTH	71	20	*	*	*	*	220	+ 40	92	- 14	20	+ 2	2·48	+0·22	270	+ 86	53	+17
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	175	+ 51	103	- 27	23	- 1	5·64	+1·14	192	+ 19	37	+ 4
7. ENGLAND, N.W.	68	23	*	*	*	*	192	+ 56	97	- 18	23	+ 1	3·70	+0·55	227	+ 56	44	+11
8. ENGLAND, SW.	67	20	*	*	*	*	208	+ 32	89	+ 1	24	+ 2	3·95	+0·50	225	+ 26	44	+ 5
9. IRELAND, NORTH	63	26	*	*	*	*	184	+ 33	67	- 41	29	+ 3	5·53	+1·28	181	+ 18	35	+ 4
10. IRELAND, SOUTH	65	27	*	*	*	*	220	+ 28	45	- 37	31	+ 8	4·08	-0·23	191	+ 6	37	+ 1
11. CHANNEL ISLANDS	69	29	*	*	*	*	236	+ 27	6	- 23	19	- 4	2·49	-0·34	273	+ 49	53	+10

THE YEAR.—Aggregates, &c., for the period of 15 Weeks, December 30th, 1906, to April 13th, 1907.

0. SCOTLAND, NORTH	66	8	*	*	*	*	172	+ 24	456	- 29	78	+ 3	18·39	+3·36	263	+ 18	26	+ 2
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	217	+ 24	527	- 3	51	- 8	6·70	-0·91	369	+ 80	36	+ 8
2. ENGLAND, N.E.	69	15	*	*	*	*	275	+ 65	458	+ 16	50	- 4	4·42	-1·29	425	+142	40	+14
3. ENGLAND, EAST	70	10	*	*	*	*	253	- 7	497	+ 10	47	- 7	4·59	-0·97	415	+ 89	39	+ 8
4. MIDLAND COUNTIES	71	10	*	*	*	*	303	+ 22	508	+ 20	45	- 7	4·76	-1·75	378	+ 90	35	+ 8
5. ENGLAND, SOUTH	71	16	*	*		*	293	- 5	416	+ 51	42	- 8	5·20	-1·51	430	+111	40	+10
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	250	+ 35	367	- 12	61	- 3	13·39†	-0·12	309	+ 29	29	+ 3
7. ENGLAND, N.W.	68	15	*	*	*	*	252	+ 22	387	+ 21	57	- 1	7·90	-0·91	373	+ 91	35	+ 9
8. ENGLAND, S.W.	67	5	*	*	*	*	288	- 39	377	+ 90	59	+ 1	8·66	-1·82	381	+ 38	35	+ 4
9. IRELAND, NORTH	63	16	*	*	*	*	277	+ 1	275	- 50	72	+ 4	10·64	+0·54	298	+ 17	28	+ 2
10. IRELAND, SOUTH	65	11	*	*	*	*	377	- 1	236	- 11	67	+ 6	7·85	- 3·57	317	- 4	29	0
11. ENGLISH CHANNEL	69	21	*	*	*	*	399	- 29	96	- 12	53	-11	6·09	- 2·65	433	+ 40	39	+ 4

† Corresponding values for some previous weeks altered owing to a correction.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in Table III.

April 7-13, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	47	38	44·7	39·4	41·9	+ 1·3	8	10	3	0·55	+ 0·04	25·8	- 7·4	27	- 8
	Stornoway	52	37	49·4	39·0	44·0	+ 1·7	27	8	2	0·21	- 0·49	47·6	+ 12·2	50	+ 13
Mainland.	Wick	49	36	47·1	38·9	42·8	+ 0·6	19	9	5	0·40	- 0·02	*	*	*	*
	†Lairg (Strathpeffer) .. S	53	30	47·7	35·0	41·1	+ 0·1	16	27	7	0·53	- 0·05	20·0	- 11·3	21	- 12
	Glencarron	50	34	47·3	36·4	41·6	- 0·1	15	22	5	0·84	- 0·46	*	*	*	*
	Fort Augustus	52	35	49·4	38·2	43.5	+ 0·3	26	11	1	0·05	- 0·52	30·4	+ 4·7	32	+ 5
	Fort William .. .. S	54	35	51·0	37·1	43·7	- 0·2	32	14	2	0·03	- 0·58	*	*	*	*
1. SCOTLAND, E.	Nairn	53	29	49·3	34·4	41·5	- 1·5	20	29	5	0·59	+ 0·28	29·8	—	31	—
	Aberdeen	49	37	46·6	39·3	42·8	0·0	17	8	3	0·28	- 0·22	20·9	- 13·8	22	- 14
	†Balmoral (Crathes) .. S	47	30	45·7	31·9	38·5	- 0·9	10	36	5	2·35	+ 1·82	17·7	—	18	—
	†Clathick (Balruddery) .. S	56	32	49·5	36·7	42·8	- 0·9	28	15	2	0·35	- 0·21	27·0	—	28	—
	†Leith (Edinburgh)	49	37	46·7	39·9	43·1	- 1·1	17	6	4	0·31	- 0·02	24·3	- 3·2	26	- 3
	Marchmont .. .. S	53	31	45·9	35·7	40·6	- 1·5	11	23	4	0·65	+ 0·11	22·0	- 9·4	23	- 10
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	53	36	47·4	38·6	42·8	+ 0·4	20	10	4	0·75	+ 0·25	15·9	—	17	—
	†Shields (Newcastle)	48	35	45·7	37·7	41·5	- 1·7	10	16	4	0·38	+ 0·02	10·3	- 14·1	11	- 15
	Durham	51	36	45·9	37·5	41·5	- 1·5	11	17	4	0·66	+ 0·24	14·6	- 15·7	15	- 17
	Scarborough .. .. M	52	38	48·1	39·8	43·8	+ 0·1	22	6	3	0·24	- 0·16	26·5	—	28	—
	York	55	37	50·3	39·2	44·5	0·0	29	8	4	0·06	- 0·31	20·2	- 10·2	22	- 11
Southern part.	Spurn Head	49	37	47·1	40·6	43·7	0·0	18	4	3	0·13	- 0·16	*	*	*	*
	†Lincoln (Skegness)	54	32	50·7	36·7	43·4	- 1·6	32	15	6	0·48	+ 0·12	23·2	—	25	—
	†Fulbeck (Rauceby)	54	35	48·7	38·3	43·3	- 1·0	25	10	5	0·67	+ 0·30	17·9	—	19	—
3. ENGLAND, E. — Northern part.	Hillington .. .. M	55	32	51·8	37·2	44·2	- 0·5	36	13	6	0·54	+ 0·14	21·8	- 12·5	23	- 13
	†Yarmouth (Lowestoft) ..	49	36	45·9	40·3	43·0	- 0·7	14	5	5	0·49	+ 0·12	26·7	—	28	—
	Geldeston	53	33	49·5	36·9	42·9	- 1·7	28	14	5	0·81	+ 0·46	21·1	- 15·2	22	- 16
	(Cromer)												25·5	—	27	—
Southern part.	Cambridge	53	32	51·6	37·8	44·4	- 1·2	34	12	6	0·56	+ 0·22	14·3	- 21·5	15	- 23
	Felixstowe	51	36	48·2	38·5	43·1	- 2·1	22	10	6	0·80	—	24·0	—	26	—
	Clacton-on-Sea	51	37	49·4	40·1	44·5	- 1·2	25	5	5	0·53	—	28·3	—	30	—
	Rothamsted	55	34	51·6	37·1	44·0	- 0·7	35	14	5	0·77	+ 0·35	22·1	- 11·6	24	- 12
	Shoeburyness	53	37	50·7	40·0	45·1	- 1·2	30	6	4	0·56	+ 0·28	*	*	*	*
	London, Westminster	56	34	51·0	39·4	44·9	- 1·8	31	7	5	0·79	+ 0·41	15·2	- 9·5	16	- 10
	(Dunmow)												15·5	—	17	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	51	35	46·6	37·3	41·7	- 1·5	13	18	5	0·22	- 0·26	14·7	—	16	—
	†Bawtry (Worksop)	54	34	50·4	37·9	43·9	- 1·2	31	11	4	0·79	+ 0·43	14·1	- 15·4	15	- 16
	Nottingham	53	33	49·1	38·7	43·7	- 1·6	26	9	7	0·68	+ 0·31	14·2	—	15	—
	Birmingham, Edgbaston ..	52	34	48·3	37·5	42·6	- 2·1	23	13	5	1·02	+ 0·59	10·1	—	11	—
	Oxford	55	37	52·1	39·3	45·4	- 0·6	35	8	4	0·94	+ 0·58	29·5	- 4·2	31	- 5
Western part.	†Cheadle (Sheffield) .. M	54	31	47·4	35·8	41·3	- 2·4	15	23	6	0·45	- 0·03	11·7	—	12	—
	Shrewsbury	55	31	50·5	37·4	43·6	- 1·5	31	13	6	0·69	—	*	*	*	*
	Hereford .. .. M	56	32	52·2	37·2	44·3	- 1·3	36	13	4	1·61	+ 1·21	*	*	*	*
	Cirencester	53	33	50·0	36·6	43·0	- 1·4	30	15	5	1·17	+ 0·72	25·6	- 9·4	27	- 10
	Bath	54	34	51·1	39·0	44·8	- 1·6	32	8	5	1·69	+ 1·21	27·0	—	29	—
	(Margate)												29·2	- 5·7	31	- 6
5. ENGLAND, S.	Kew	57	33	51·5	39·4	45·2	- 0·9	33	7	3	0·71	+ 0·33	18·7	- 13·9	20	- 15
	Wisley, Surrey	54	32	51·2	37·6	44·1	- 2·1	33	12	4	1·06	—	24·0	—	26	—
	†Swarraton (Ventnor) .. M	54	32	50·3	37·1	43·4	- 1·1	30	14	6	1·05	+ 0·61	37·3	- 3·1	40	- 3
	Tunbridge Wells .. M	55	32	50·7	36·0	43·0	- 2·3	32	17	5	1·29	+ 0·85	20·6	- 15·3	22	- 16
	†Dungeness (Littlestone) ..	51	33	49·9	26·3	42·8	- 2·6	30	16	3	0·58	+ 0·28	32·2	—	35	—
	Hastings	52	35	49·1	38·6	43·6	- 2·4	25	10	3	0·50	+ 0·10	36·3	- 2·5	39	- 3
	Southampton	56	33	51·2	39·4	45·0	- 2·2	32	7	4	1·14	+ 0·69	29·9	- 7·3	32	- 7
	†Portland Bill (Worthing) ..	52	36	48·1	40·3	44·9	- 3·0	21	5	5	1·12	—	35·7	—	38	—
	(Eastbourne)												42·8	+ 4·2	46	+ 5
6. SCOTLAND, W.	†Laudale (Oban)	54	33	51·5	37·2	44·0	- 0·7	34	13	0	0·00	- 1·04	40·0	—	42	—
	Glasgow	51	35	47·5	38·2	42·6	- 1·1	20	11	2	0·34	- 0·16	28·3	+ 0·2	30	0
	Dumfries .. .. .. S	54	32	50·4	36·7	43·2	- 1·2	31	15	4	0·22	- 0·38	*	*	*	*
	Cally	57	31	51·2	35·4	42·9	- 1·3	34	18	3	0·23	- 0·44	*	*	*	*
	Douglas, Isle of Man	50	31	48·4	37·7	42·8	- 1·7	24	12	2	0·13	- 0·43	21·4	- 18·6	23	- 20
7. ENGLAND, N.W.	Aspatria	52	32	48·7	36·5	42·3	- 1·8	25	15	2	0·10	- 0·39	23·2	—	24	—
	Newton Rigg	50	32	46·8	35·2	40·7	- 2·5	13	25	3	0·31	- 0·16	11·9	- 21·4	13	- 23
	Stonyhurst	50	35	47·5	37·8	42·4	- 1·6	20	12	2	0·20	- 0·41	15·3	- 17·7	16	- 19
	Blackpool .. .. .. M	52	32	49·0	38·1	43·3	- 1·5	25	11	2	0·45	+ 0·02	23·9	- 10·2	25	- 11
	Manchester, Prestwich ..	53	34	48·3	37·9	42·9	- 1·5	24	11	3	0·25	- 0·22	10·7	- 16·9	11	- 18
	†Liverpool Obs. (Hoylake) ..	53	37	48·4	39·6	43·8	- 1·8	23	7	6	0·22	- 0·14	21·0	—	22	—
	†Hawarden Bridge (Southport)	54	38	50·6	39·8	44·9	- 0·9	30	6	6	0·22	- 0·05	25·2	- 10·5	27	- 11
NORTH WALES	Llandudno .. .. M	53	38	49·1	39·8	44·2	- 2·1	25	6	5	0·29	- 0·14	18·3	- 16·1	20	- 17
	†Holyhead (Aberdovey) ..	51	36	48·4	39·6	43·8	- 2·2	23	7	2	0·09	- 0·37	25·8	—	27	—
	Bettws-y-Coed	56	33	51·0	37·1	43·7	- 1·7	32	14	5	0·61	—	21·6	—	23	—
8. SOUTH WALES	Llangammarch Wells	50	26	48·4	35·3	41·5	- 2·4	18	25	5	1·26	—	16·7	—	18	—
	Pembroke	49	37	47·7	40·3	43·8	- 1·8	20	5	6	1·27	+ 0·80	22·1	- 16·6	24	- 18
	†Cardiff (Aberystwyth)	54	32	50·5	38·2	44·1	- 2·7	31	11	6	1·55	+ 0·97	25·5	—	27	—
ENGLAND, S.W.	†Clifton (Torquay)	53	36	50·3	39·8	44·8	- 1·3	29	6	5	1·85	+ 1·33	23·5	- 15·5	25	- 17
	†Shaftesbury (Marlborough) M	51	32	48·5	36·9	42·4	- 1·9	24	14	5	1·59	+ 1·03	20·0	- 11·5	21	- 12
	†Arlington (Newquay)	51	32	47·6	37·3	42·2	- 2·1	21	13	6	1·20	+ 0·47	33·5	- 4·5	36	- 5
	Cullompton .. .. M	53	33	50·0	39·4	44·5	- 2·4	28	7	7	1·03	+ 0·47	17·5	- 16·6	19	- 18
	Plymouth	57	38	51·5	41·0	46·0	- 1·5	32	3	7	1·35	+ 0·81	32·1	- 5·4	35	- 6
	Falmouth	52	37	49·5	41·1	45·1	- 2·0	25	3	7	2·04	+ 1·37	43·0	+ 2·8	46	+ 3
9. IRELAND, N. — Western part.	Malin Head	51	35	48·4	39·4	43·7	- 1·1	23	7	5	0·27	- 0·18	*	*	*	*
	Edenfel	53	30	51·0	34·7	42·5	- 1·3	34	20	6	0·43	- 0·11	*	*	*	*
	Blacksod Point	51	36	49·6	40·0	44·6	- 1·7	27	6	5	0·76	+ 0·08	*	*	*	*
	Markree Castle	53	31	51·0	36·8	43·6	- 1·4	33	15	5	0·91	+ 0·33	22·9	- 9·5	24	- 10
Eastern part.	Armagh	53	31	49·8	35·7	42·4	- 2·2	29	18	5	0·43	- 0·04	25·4	- 6·2	27	- 7
	Donaghadee	49	35	47·7	38·6	42·9	- 2·1	21	10	4	0·12	- 0·33	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	55	35	50·5	39·5	44·7	- 2·0	29	7	7	1·09	+ 0·64	—	—	—	—
	Kilkenny	52	30	49·3	36·9	42·8	- 3·3	27	14	7	0·85	+ 0·34	*	*	*	*
	Waterford	54	30	50·4	37·1	43·4	- 2·3	30	14	6	1·09	+ 0·46	*	*	*	*
Western part.	Birr Castle	53	32	50·0	36·7	43·0	- 2·4	29	15	7	0·96	+ 0·46	24·1	- 9·5	26	- 10
	Foynes	54	34	49·7	38·7	43·9	- 2·4	27	9	7	1·05	+ 0·49	*	*	*	*
	Killarney	57	35	52·4	39·7	45·8	- 1·2	36	6	7	0·94	+ 0·10	*	*	*	*
	Valencia	52	36	49·7	40·6	44·9	- 2·8	26	4	6	0·46	- 0·44	43·3	+ 7·9	46	+ 8
	†Roches Point (Ballinacurra) ..	54	36	50·4	40·7	45·3	- 1·9	29	4	6	0·24	- 0·48	37·8	—	40	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	52	43	50·4	43·7	46·9	- 1·2	34	0	4	0·71	+ 0·21	51·0	+ 11·2	55	+ 12
	†Jersey, St. Aubins (St. Heliers)	54	39	52·1	? 41·7	? 46·7	- 1·7	34	1	6	1·36	+ 0·86	44·2	+ 2·2	48	+ 2
	Guernsey	57	37	51·5	41·0	46·0	- 1·8	32	3	6	1·29	+ 0·73	30·6	- 12·2	33	- 13

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ Dew or hoar frost.

Additional Sunshine Totals for the week: Ramsgate, 29·9 hrs., 32 %; Brighton, 36·7 hrs. (- 1·7), 40 % (- 2 %); Bournemouth, 36·4 hrs., 38 %; Bognor, 37·0 hrs., 30 %; Rhyl, 24·8 hrs., 26 %; Tenby, 24·9 hrs. (- 15·8), 27 % (- 17 %).

IV.—TEMPERATURE on the Grass and in the Ground

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·2
	Cromes	5	25	41·9	4·5
	Balmoral	4	25	—	—
	Marchmont ..	—	—	43·1	—
2.	Cockle Park	0	31	43·2	43·1
	York	—	—	45·1	43·8
	Hull	0	36	43·7	43·0
	Lincoln	—	—	44·9	44·7
3.	Lowestoft	—	—	45·7	45·1
	Cambridge	3	26	47·0	46·8
	Dunmow	2	28	—	—
	Clacton-on-Sea ..	0	32	46·4	47·0

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	2	29	43·2	43·4
	Sheffield	3	27	43·0	43·0
	— — ..				
	Birmingham	3	25	43·2	45·0
	Nottingham	2	28	43·7	43·3
	— — ..				
5.	Kew	1	26	45·5	45·9
	Canterbury	0	31	45·6	46·7
	Portsmouth	2	28	47·3	48·0
	Wisley	—	—	45·4	46·1
6.	— — ..				
	Glasgow	2	27	—	—
	— — ..				

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	4	22	43·8	43·0
	Southport	1	28	45·3	45·0
	Manchester City ..	0	35	43·8	44·7
	Bettws-y-Coed ..	0	31	43·1	44·6
	— — ..				
8.	Llangammarch Wells	3	20	43·8	44·4
	Bath	—	—	47·0	47·0
	Plymouth	1	30	46·8	—
	— — ..				
9.	Armagh	3	28	44·9	45·3
	Markree Castle ..	2	26	—	—
10.	Dublin, Trin. Coll. ..	2	29	45·0	46·0
11.	Guernsey, Brooklyn	0	32	48·3	48·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	45	43	43·6
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	45	43	43·7
	Pennan Bay	43	42	42·4
	Aberdeen, Cove Bay ..	44	44	44·0
ENGLAND, N.E.	Burnmouth, Berwick ..	43	40	41·4
	Scarborough	45	39	42·0
ENGLAND, E.	Shipwash Lightship ..	45	42	43·5
	Margate‡	46	44	45·4
ENGLAND, S.E.	Eastbourne‡	47	45	45·9

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	46	44	45·0
	Ballantrae	47	44	45·5
ENGLAND, N.W.	Port Erin	47	44	45·3
ENGLAND, S.W.	Newquay	51	50	50·5
	Plymouth‡	48	48	47·9
	Salcombe	48	47	47·6
IRELAND, N.W.	Sheephaven	49	45	47·2
	Ballyglass	49	45	47·3
IRELAND, S.W.	Cleggan	51	45	47·4
	Seafield	51	46	48·2
IRELAND, E. . ..	Kingstown‡	—	—	—

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

REMARKABLE LIGHTNING FLASHES.

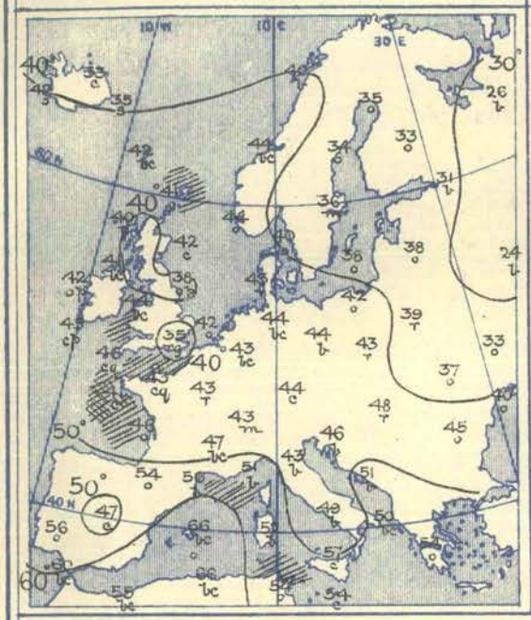
Accounts have been received of some remarkable lightning flashes experienced during the week.

In the immediate neighbourhood of Bidston Observatory, Birkenhead, on Tuesday, April 9th, at 2.28 p.m., a violent discharge of lightning struck the ground and produced a circular cavity 18 ins. in diameter and 20ins. in depth.

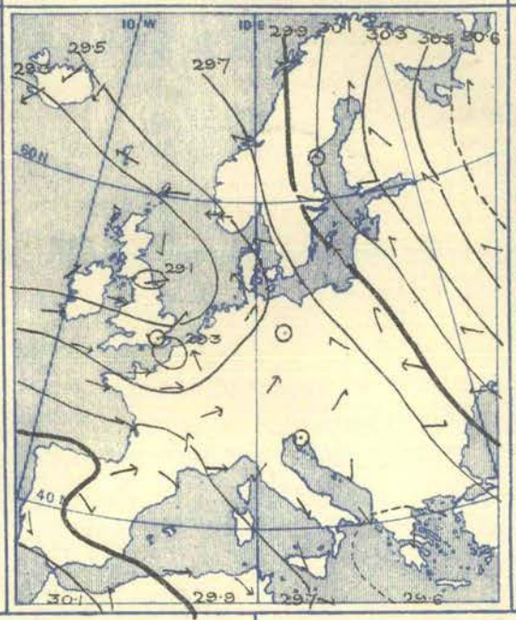
A captive balloon, attached by a steel piano wire, was sent up at Aldershot on April 11th. At 3.20 p.m., with about half a mile of wire out, a flash of lightning struck the wire and fused it all the way down. Thick heavy fumes of brownish-yellow smoke, which hung about for some time, were observed after the event.

Sunday, 7th April, 1907.

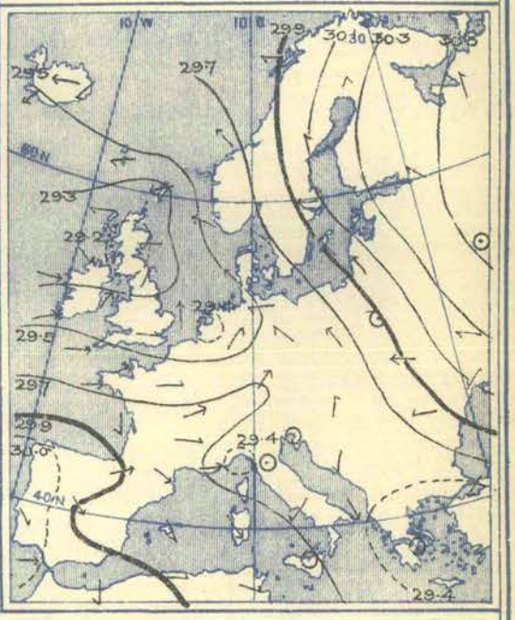
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine at most stations in the south of our area and in a few places elsewhere; very cloudy or quite overcast as a whole, with rain or passing showers over our Islands and their vicinity and in the central countries, and snow at Seydisfjord. Heavy showers of rain or hail falling subsequently over the United Kingdom, and a considerable amount of rain over the nearer regions of the Continent. Thunderstorms occurring at Bournemouth and Dungeness.

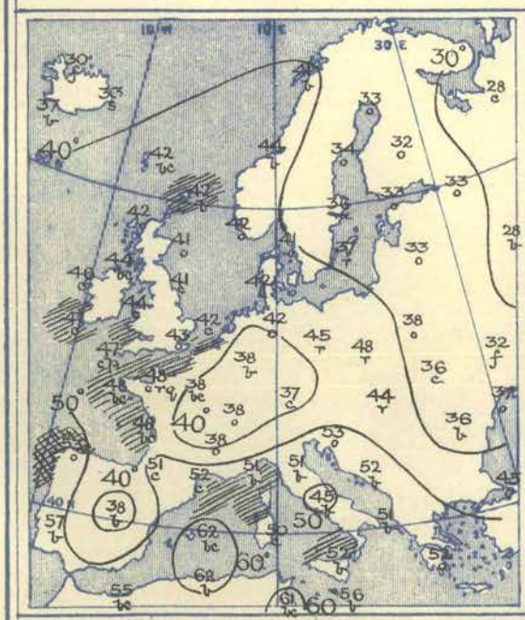
Temperature fallen over the western countries. Readings in morning above 65° at Palma and Algiers, but below 50° over the greater part of Italy and France, below 40° in the south-east of England, and below the freezing point in the central and northern parts of Russia. Rising during day to 50° at some of our own stations and to above 60° at many stations on the shores of the Mediterranean. Maxima above 70° at Palma and on the coast of Algeria, but only 60° at Malta and 52° at Brindisi.

Wind in morning circulating cyclonically over this country and its neighbourhood; Westerly current strong or fresh on our southern coasts, and that from the South-Eastward strong to a gale on the eastern shores of the North Sea. Light or moderate South-Easterly breezes prevailing over the east of our area, but a gale reported from Lemberg. Moderate breezes from the North-Westward prevailing over the Iberian Peninsula and the western portion of the Mediterranean. Little change later; decreasing in force on the eastern shores of the North Sea, but increasing in strength over the Baltic.

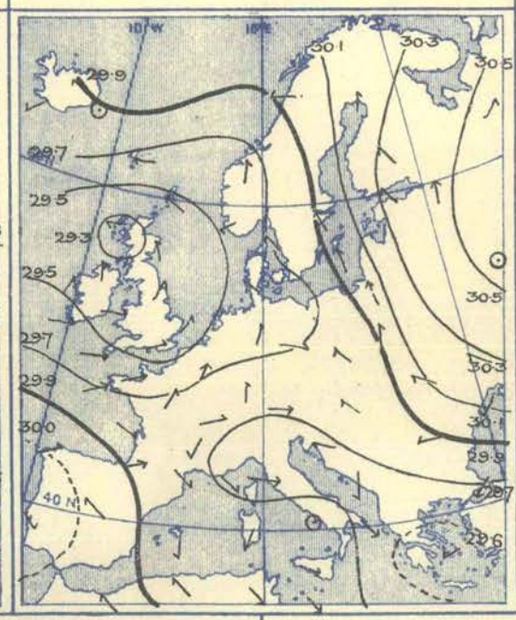
Barometer at 8 a.m. above 30·6 ins. over the north-east of Russia. Below 29·6 ins. over the Balkan Peninsula, below 29·3 ins. in a small minimum over Kent and the Straits of Dover, and below 29·1 ins. in another small minimum in the extreme north of England. Latter system extending northwards later and the former moving eastwards to the Netherlands; both disturbances becoming less deep. A separate depression forming in the neighbourhood of the Riviera, but little change occurring in the general distribution of pressure.

Monday, 8th April, 1907.

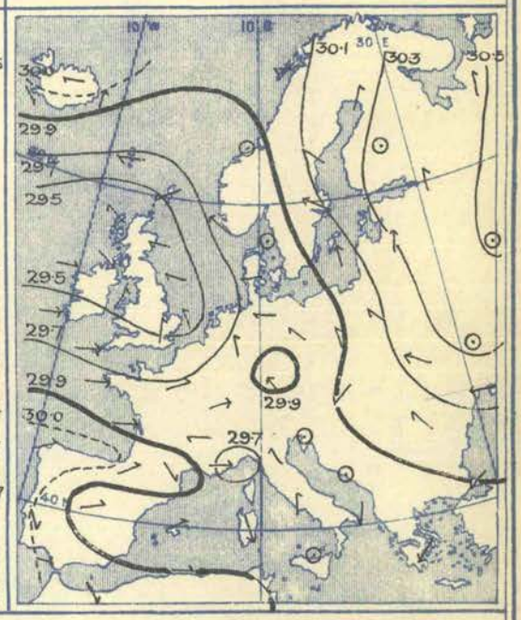
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at nearly all stations in the Mediterranean region; cloudy or overcast as a whole, with rain at Bilbao and in the central countries and in a few localities in these Islands, and snow in the west of Iceland. Showers experienced later in most parts of these Islands and over the northern and north-western countries of the Continent. Thunderstorms experienced in the north-east of Ireland and at some stations in the south and south-east of England.

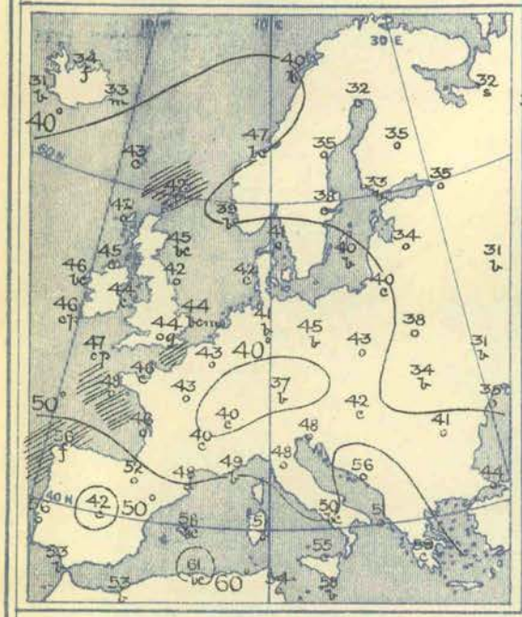
Temperature in morning below 32° in the east and north-east of our area and below 45° in almost all parts of the United Kingdom, and over all the countries of central and northern Europe. Above 50° at most stations on the shores of the Mediterranean, and at Palma, Algiers, and Sfax. Rising later to 50° or rather higher in various parts of this country and Germany, and to 60° or above in the south; touching 70° at Barcelona and 73° at Oran.

Wind in morning cyclonic generally except over Russia and the Spanish Peninsula; circulation around these Islands very well marked, and Westerly current fresh or strong on the shores of the English Channel. No change of importance occurring during day.

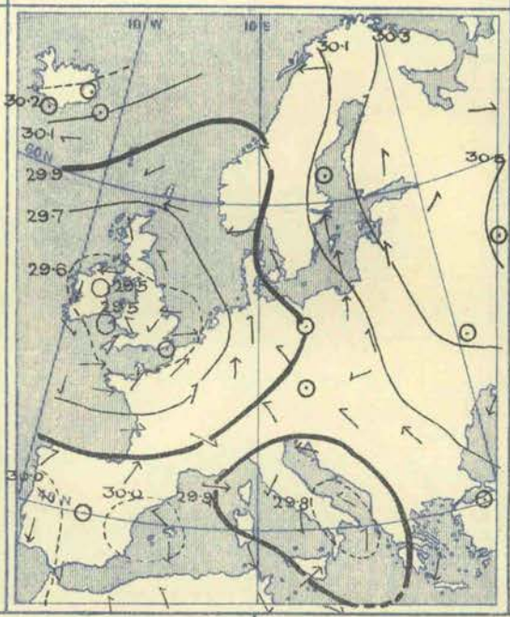
Barometer in morning above 30·5 ins. in the more eastern parts of Russia, and relatively high both in the far north-west and south-west of our area. Low, 29·7 ins. to less than 29·6 ins., in an elongated system extending from northern Italy to Crete, and below 29·3 ins. in another depression over the Hebrides and the west of Scotland. Pressure increasing later in nearly all parts of our area, but no great modification taking place in the general distribution. A local minimum appearing over the English midlands.

Tuesday, 9th April, 1907.

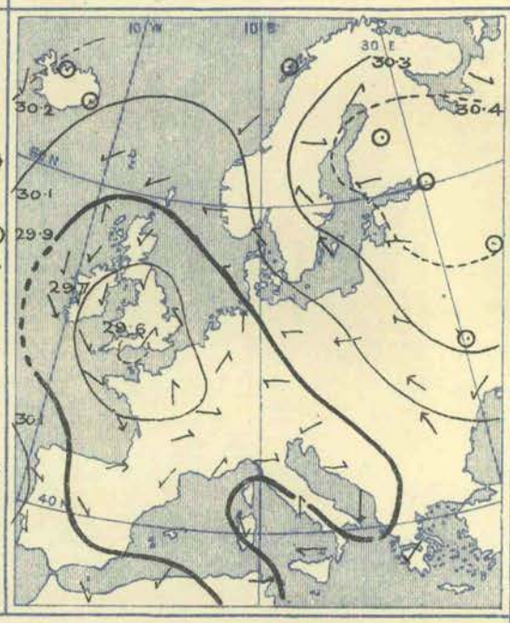
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in some southern regions, but cloudy or overcast generally, with rain or passing showers at some of our own stations, as well as at Flushing, Swinemünde, and Karlstad, and snow at Archangel. A thunderstorm with severe lightning occurring later at Bidston and thunder at Fanö. Rain falling at most of our own stations and over the western and northern countries of the Continent, and also in Italy. Heaviest amount, 1·5 in. at Rome.

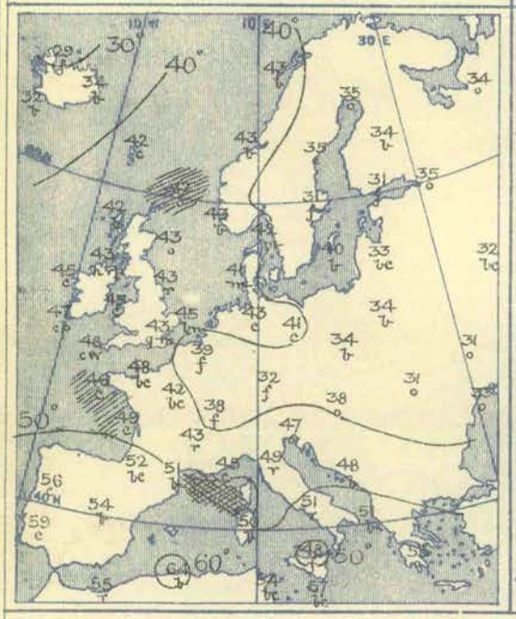
Temperature changed little and irregularly. Readings in morning below 32° over a considerable portion of Russia, but several degrees higher over Europe generally, and above 50° on most shores of the Mediterranean. Highest values, 59° at Patras and 61° at Algiers. Rising during day to about 74° at Sfax and Madrid, to 68° at San Fernando, and to above 60° in some other southern localities. Thermometer failing to reach 50° at many of our own stations.

Wind in morning showing two main cyclonic circulations—one around the United Kingdom, and the other around the Adriatic; scarcely any place reporting a greater force than a moderate breeze. A light anticyclonic movement of wind prevailing over Russia and Scandinavia. No important change occurring later; some increase in force over the Bay of Biscay.

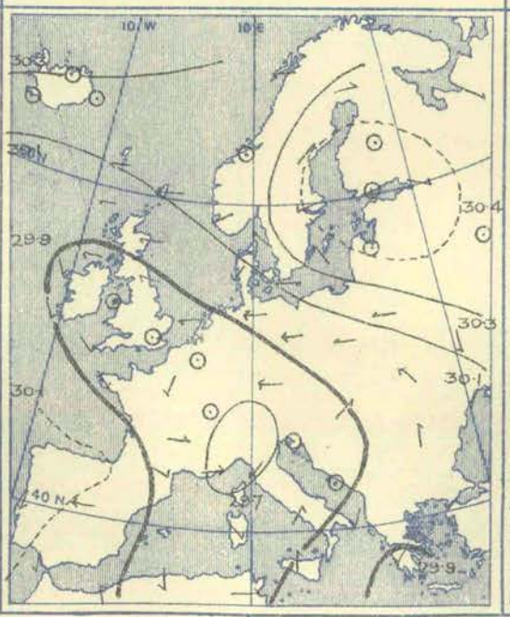
Barometer in morning ranging from above 30·5 ins. in an extensive anticyclone having its maximum over central Russia, to below 29·8 ins. in a depression over Italy and the Adriatic, and to less than 29·6 ins. in a large system over these Islands containing three distinct minima. Southern disturbance becoming less well-marked by evening, and that over this country moving slowly southwards and becoming rather less deep. A decided increase of pressure taking place on our northern and western coasts.

Wednesday, 10th April, 1907.

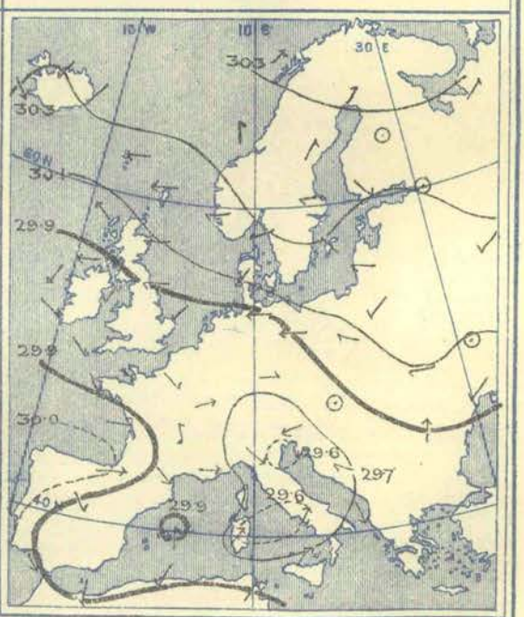
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Baltic region and in a few localities elsewhere, but cloudy or entirely overcast as a whole, with rain or passing showers over Italy, and at Lyons and Nemours, as well as at some of our own stations. Foggy over some parts of central Europe and in Iceland. Thunderstorms occurring later on some parts of our south-west coasts and lightning at Blacksod Point. Slight rain falling in various districts in these Islands and heavier amounts in the Netherlands and Italy.

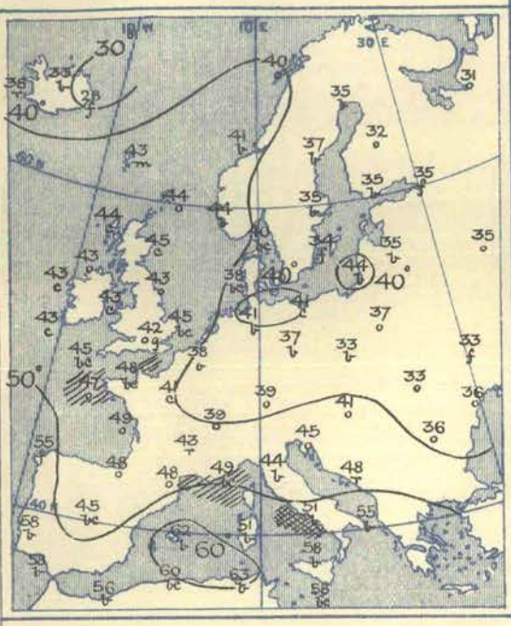
Temperature showing no general change. Readings in morning not far from the freezing point in the east and north-east of our area and in Iceland, but rather above 40° over Norway and the United Kingdom, and above 50° at many places on the shores of the Mediterranean. Highest values, 64° at Algiers and 65° at Sfax. Rising during day to 75° in Algeria, to 81° at Tunis, and to slightly above 70° at some Spanish stations. Maxima below 50° in many parts of these Islands and central Europe, and below 40° at Buda-Pesth and Lemberg.

Wind in morning showing two separate circulations—anticyclonic over the north-eastern half of our area, and cyclonic over this country, France, and the Mediterranean. Wind becoming high by evening on the coasts of Corsica and Sicily, but no change of a general character taking place.

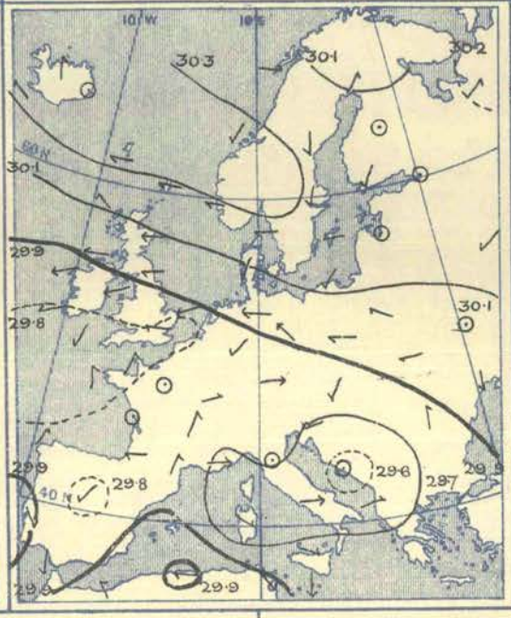
Barometer in morning ranging from above 30·4 ins. in a large high pressure system centred over Finland, to less than 29·7 ins. in a large cyclonic system having its minimum over Switzerland and the north of Italy. Anticyclone giving way somewhat later, but at the same time moving eastwards, depression in south increasing in depth and becoming compl... Pressure changing slightly and irregularly over our Islands, and more than one minimum in existence. Gradients increasing over the Mediterranean.

Thursday, 11th April, 1907.

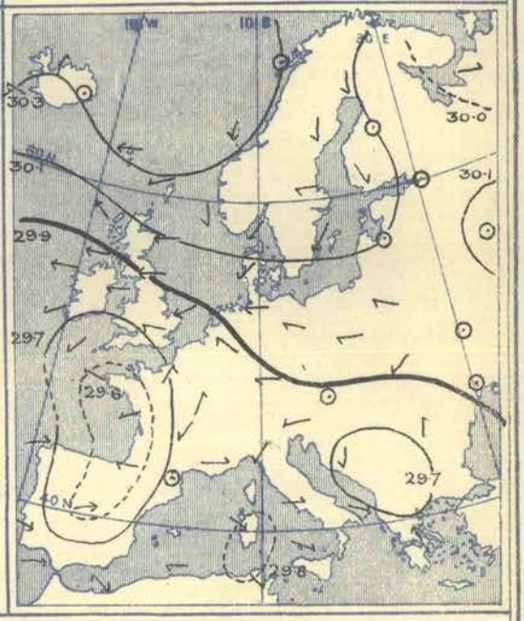
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine at most stations in Scandinavia, Denmark, the Netherlands, and in the far south, but rainy at Oporto and Pesaro. Cloudy or overcast in most parts of our area, with rain at a few of our own stations and at Lyons. Rather heavy rain later in the south-west of England and in the west and south-west of France, and thunder and lightning experienced at some of our own south-western stations.

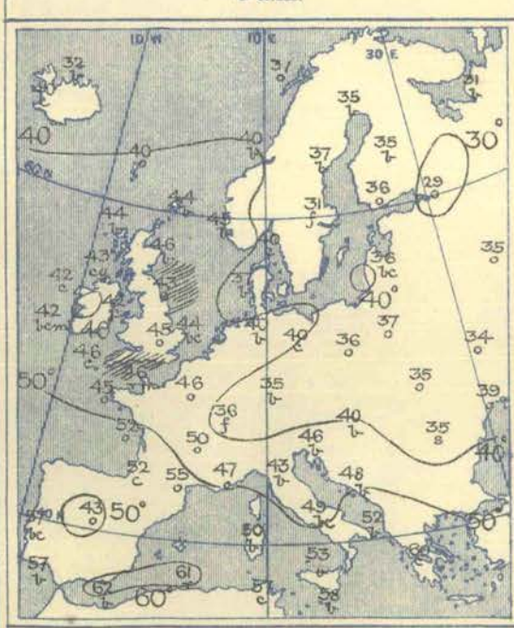
Temperature changed little and irregularly. Readings in morning ranging from about 60° on the coast of Algeria to below 50° generally, and to below 40° over the eastern and north-eastern countries, as well as in Iceland. Maxima during day below 50° in most parts of these Islands and at many stations in the central countries, but rather above that value in the north of Sweden. Thermometer rising to above 65° at many places in the south of our area, and to above 70° in Algeria.

Wind in morning showing some irregular cyclonic circulations in the south and south-west of our area and an extensive anticyclonic movement in the north. Easterly current fresh at some of our own stations and high at Malin Head. Scarcely any force beyond a moderate breeze prevailing over southern Europe. No great change occurring during day.

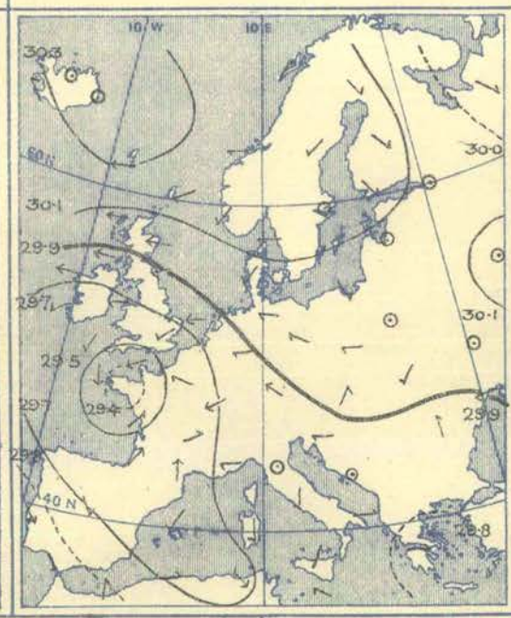
Barometer in morning above 30·3 ins. in a large anticyclonic system extending from the Arctic regions across Iceland to the south of Sweden. Below 29·8 ins. in an irregularly shaped system stretching from the Atlantic to the coast of Holland, and below 29·7 ins in another irregularly shaped system covering most of Italy and a large portion of the surrounding regions. Subsequent changes rather irregular; barometer falling decidedly over the Bay of Biscay region and Spain, and slowly over these Islands. Pressure decreasing briskly in the extreme north of Russia.

Friday, 12th April, 1907.

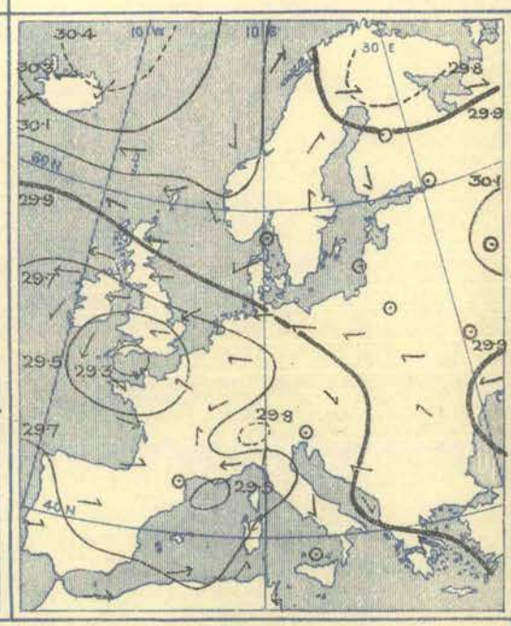
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of Scandinavia, Denmark, the Netherlands, and at several Italian stations, but cloudy or overcast in nearly all other localities. Rain falling in Algeria and in some parts of France, as well as in the south and south-west of England, and snow at Hermanstadt. Considerable falls of rain later over the southern counties of England, and heavy amounts in the south of France and at Barcelona and Turin; more than 2·5 ins. at Cette. As much as 1·1 in. of rain or snow falling at Kuopio.

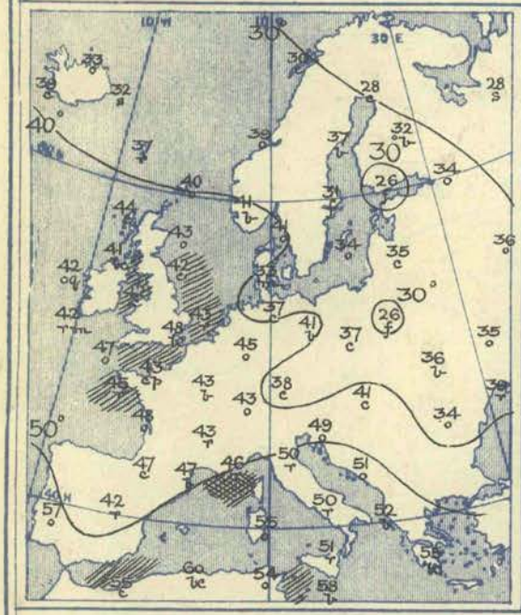
Temperature showing little change. Readings in morning ranging from about 60° in the extreme south of our area, and 52° in the south-west of France, to below 40° over the major portion of the Continent, and to below 30° at St. Petersburg. Thermometer remaining below 50° during day over the greater portion of this country and in many parts of central Europe, but rising to above 60° in the Mediterranean region generally and to above 70° in Algeria

Wind in morning circulating cyclonically around Brittany; Easterly current fresh or strong on many parts of our own coasts. An anticyclonic movement prevailing over all the northern regions, and variable winds over Italy and its vicinity. Easterly wind increasing to a fresh gale later at Portland Bill and Yarmouth, and becoming strong or high on many parts of our east, south, and west coasts.

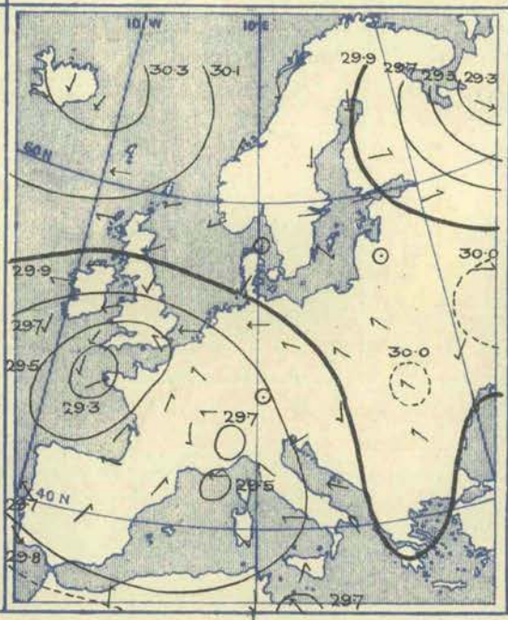
Barometer in morning highest, 30·3 ins. and above, in a large high pressure system over the Icelandic region. Lowest, 29·4 ins. and less, in a depression over Brittany. Relatively low over the Mediterranean and also in the far north of Russia. Pressure decreasing decidedly over Scandinavia during day, but remaining almost unchanged over Iceland. Brittany depression moving northwards to the Channel and increasing in depth, and another minimum forming off the south of France.

Saturday, 13th April, 1907.

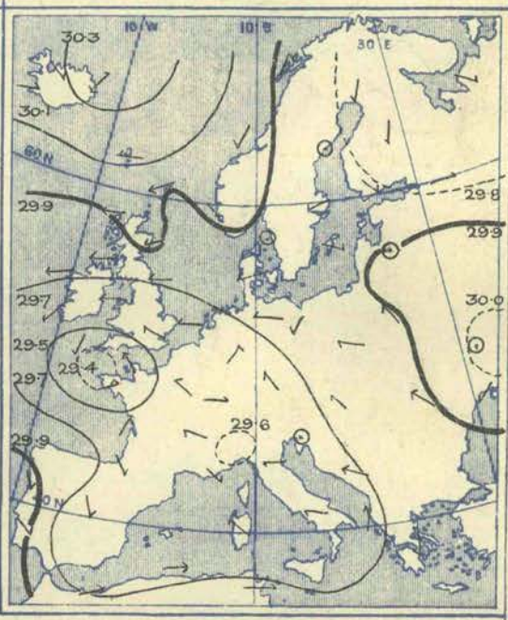
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy over Italy, the south of France and at Madrid, as well as some of our own south-western and southern stations, and in the nearer parts of the Continent. Fair or fine in many northern localities, but snow falling at Archangel and Seydisfjord. Slight rain in various parts of these Islands and France later, and larger quantities in Italy.

Temperature fallen generally, but risen somewhat over Italy. Readings in morning below 50° at all stations except a few in the far south. Highest values, 60° at Nemours and Algiers, and lowest, 29° at Nicolaieff and 28° at Haparanda and Archangel. Rising later to 70° at Patras and Nemours and to above 60° at a few other southern stations; remaining below 55° in the south of Italy and at Nice, and only rising to 43° at Turin. Maxima less than 50° over the greater portion of this country, but as high as 56° in London and at Margate.

Wind in morning showing two distinct cyclonic circulations—one around the mouth of the Channel, and the other around the Gulf of Lyon and its vicinity. Easterly current strong or high on several coasts in England and Ireland and also at Cape Sicié, and North-Westerly wind high at Oporto. Southern circulation becoming much less well-marked by evening, but little other change occurring.

Barometer in morning above 30·3 ins. over Iceland; below 29·2 ins. in a depression having its centre at the mouth of the English Channel and in another system in the extreme north of Russia, and less than 29·5 ins. in a disturbance off the south of France. Channel disturbance scarcely moving during day, but pressure increasing somewhat. French system also becoming less deep, and barometer rising quickly in northern Russia.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,600 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
April 7th, 10.50 a.m. to noon.	Brighton, 380 ft.	Temperature F.	43°	37°	32°					One kite, 77 sq. ft.; 4,000 ft. wire. Max. height, 3,300 ft. Cu. in NW. Cloud height, 2,100 ft.
		Humidity	90%	90%	80%					
		Wind Velocity, m. per hr.	W by N, † 15	—, 20	WNW, 25					
April 8th, 9.50 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	49°	41°						One kite, 77 sq. ft.; 3,000 ft. wire. Max. height, 2,300 ft. Good breeze in early morning. Almost calm by 10.30 a.m. Temp. 37° at 2,300 ft.
		Humidity	85%	85%						
		Wind Velocity, m. per hr.	W by S, 11	W by N, 20						
April 8th, 6.14 p.m. to 6.35 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* Wind veering up to 6,000 ft., then backing a little up to 10,000 ft. Velocity increasing to over 30 m. per h. at 2,000 ft., decreasing to about 20 m. per h. at 6,500 ft., increasing again above.
		Humidity								
		Wind Velocity, m. per hr.	WSW, 14	W, 30	W by N, 31	W by N ½ N, 28	W by N ½ N, 20	W by N, 22	W ½ N, 24	
April 9th, 6.20 p.m. to 6.30 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* Wind extremely light, failing altogether at 3,000 ft. Balloon lost in outlying clouds of Cu.-N. Fell 9 miles S 20° E.
		Humidity								
		Wind Velocity, m. per hr.	S by E, 6	S ½ E, 5	calm.	S by E, 2				
April 11th, noon to 1.25 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	43°	39°	32°	21°	[15°]			One kite, 77 sq. ft.; Max. height, 6,060 ft. Max. wire, 7,600 ft. Overcast. Cloud level about 6,000 ft.
		Humidity	86%	76%	66%	71%	[95%]			
		Wind Velocity, m. per hr.	E, —	E, 33	E, 36	E, 33	[E, 35]			
April 11th, 3.13 p.m. to 5.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	40°	37°	28°	21°				One kite, 77 sq. ft.; Max. height, 5,630 ft. Max. wire, 10,510 ft. Overcast. Cloud level about 4,700 ft.
		Humidity	80%	90%	90%	100%				
		Wind Velocity, m. per hr.	E, —	E, 32	E, 32	E, 41				
April 11th, 4.11 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								*Ballon-sonde.* Wind SE by E and very light. After about 15 minutes balloon entered current from West. Fell 31½ miles E. Cu. from SE; Ci. from W.
		Humidity								
		Wind Velocity, m. per hr.								
April 11th, 8.40 p.m. to 9.34 p.m.	Brighton, 380 ft.	Temperature F.	39°	36°						One kite, 77 sq. ft.; 3,000 ft. wire. Max. height, 2,300 ft. Temp. 35°. Wind veering above. Clear sky.
		Humidity	95%	85%						
		Wind Velocity, m. per hr.	E by S, † 20	—, 25						
April 12th, 10.20 a.m. to 11.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	38°	34°	[28°]				One kite, 54 sq. ft. 6,700 ft. wire. Max. height, 4,300 ft. Very gusty wind, 40 m. per h. at 2,500 ft. Lower clouds at 2,500 ft.; upper clouds from ESE not reached.
		Humidity	85%	100%	90%	[95%]				
		Wind Velocity, m. per hr.	ENE, 13	E, 33	—, 31	[E by S, 35]				
April 13th, 9.48 a.m. to 11.37 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	44°	35°					Two kites, 154 sq. ft.; 5,500 ft. wire. Max. height, 3,600 ft. Clouds just reached. Convection currents.
		Humidity	80%	85%	95%					
		Wind Velocity, m. per hr.	SE, 8	SE, 20	SE by S, 20					
April 13th, 10.15 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.	48°	41°	36°					Two kites, 137 sq. ft.; 5,000 ft. wire. Max. height, 3,500 ft. Scud at 1,350 ft. Change of wind direction at 800 ft. Clear sky.
		Humidity	100%	90%	80%					
		Wind Velocity, m. per hr.	S by E, * 15	S by W, 20	S by W, 23					
April 13th, 5.56 p.m. to 6.34 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* At 3,500 metres SE, 17; at 4,000 metres SE ½ S, 28; at 4,500 metres SE ½ S, 29; at 5,000 metres SE by S, 40; at 5,500 metres SE ½ S, 35. Ci. from SE ½ S. Max. velocity, 45 m. per h. at 16,000 ft. Fell 105 miles, W 27° N, near Newport (Mon.)
		Humidity								
		Wind Velocity, m. per hr.	E ½ N, 13	E, 13	SE, 13	S E by E ½ E, 15	SE, 24	SE by E, 24	SE by E, 20	

† Estimated.

The wind on April 11th was too light to raise a kite at Pyrton Hill.

* Pilot Balloon. Uniform ascensional velocity of 500 ft. per minute assumed.

63, Victoria Street, London, S.W. *April 17th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 16. SIXTEENTH WEEK, ENDING SATURDAY, APRIL 20TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Except in the extreme north of Scotland the general character of the week was fair, the rainfall being slight and infrequent and the intervals of sunshine very considerable. Thunder was heard at Cullompton and Westbourne (Emsworth) on Sunday, and thunderstorms or thunder singly occurred in many parts of England and in the south of Ireland later in the week. Snow showers were experienced on Wednesday or Thursday in the north and east of Great Britain. A display of aurora was observed in the Hebrides on Sunday.

Temperature was below the average in all districts, the deficit amounting to about 3° in many parts of England and in the east of Scotland. The highest of the maxima were recorded either at the middle or end of the week, and ranged from 64° in Scotland W. and 61° in Ireland S. to 56° in England E., Scotland N., and Channel Islands. The lowest of the minima were registered, as a rule, either on the 17th or 18th. In England S.W. (at Llangammarch Wells), the thermometer fell to 22°, and in England N.W. and Scotland E. to 23° and 24° respectively. Elsewhere the readings ranged from 25° in Scotland W. to 28° in Ireland S., and to 39° in the Channel Islands. The lowest minima on the grass were 14° at Llangammarch Wells, 17° at Cockle Park and Southport, and 18° at Cambridge and Balmoral.

Mean Temperature of the Sea.—The mean warmth of the water was almost identical with that of the preceding week on most coasts, but at Scarborough it was a degree higher, and at Margate and Ballyglass about 2° higher. The actual values varied from 50·5° at Newquay to between 43° and 44° at most places on the east and north-east coasts, and to 42·2° at Burnmouth.

Rainfall was less than the normal in every district except Scotland W. and England S.W., the deficit being considerable over the Kingdom as a whole.

Bright Sunshine was less than the average in Ireland, the north and west of Scotland, and in the Midland Counties, above it elsewhere. The percentage of the possible duration ranged from 50 in the Channel Islands, 48 in England S.W., and above 40 in England S. and E. and in Scotland E., to 29 and 28 respectively in Scotland N. and W., and to 20 in Ireland N.

Barometer and Wind.—During the earlier half of the week pressure was highest over the Icelandic region and, at first, lowest in a small depression which moved southwards over the western departments of France, and then in shallow disturbances over Germany. The wind during this time was mainly Easterly to North-Easterly and Northerly, and of moderate strength over the United Kingdom, but on Tuesday it became Southerly on our most western coasts. By Thursday the highest pressure was found extending in a ridge from Portugal to Shetland. This ridge subsequently underwent some modification in form and moved away to the south-eastward of this country, while low pressure systems encroaching on these Islands from the Atlantic caused the wind to increase gradually in force from the Southward on all our western and northern coasts, and to reach the strength of a gale at Malin Head.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* No. 15, p. 116.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Light	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate
	Sunshine ...	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty	Moderate	Abundant	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 7 weeks from Mar. 3rd, 1907.	Warmth ...	2*2	2*2	3*2	3*0	3*0	3*1	3*1	3*1	3*1	3*0	4*1	3*2
	Rainfall ...	3*1	3*2	1*2	1*3	1*1	2*2	3*2	2*1	2*2	4*1	2*3	2*2
	Sunshine ...	1*0	4*1	6*1	5*1	3*1	4*1	1*2	4*1	3*2	2*2	2*2	2*0

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2*4	2*6	6*4	4*5	5*5	3*6	3*6	4*5	4*7	3*6	2*5	2*6
	Rainfall ...	8*4	7*3	2*5	1*4	3*4	2*2	7*4	7*5	5*6	7*4	3*5	2*4
	Sunshine ...	2*5	5*4	7*4	5*6	5*4	5*3	5*5	4*4	5*4	2*5	5*3	6*6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*4	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (16th)—April 14th to 20th, 1907.

DISTRICTS. (See p. 123.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	56	26	47·7	34·9	41·0	− 2·1	16	− 10	27	+ 10	5	+ 1	0·49	−0·11	29	− 5	29	− 5
Eastern																		
1. SCOTLAND, EAST	59	24	48·8	32·7	40·4	− 3·4	19	− 14	35	+ 18	3	0	0·17	−0·24	42	+ 9	42	+ 9
2. ENGLAND, N.E.	57	25	49·0	34·8	41·6	− 2·9	20	− 12	28	+ 16	2	− 2	0·11	−0·25	38	+ 7	39	+ 7
3. ENGLAND, EAST	56	26	50·5	37·0	43·4	− 2·4	31	− 11	14	+ 2	3	0	0·18	−0·18	41	+ 4	42	+ 4
4. MIDLAND COUNTIES	57	27	51·4	35·4	43·0	− 2·8	35	− 8	18	+ 5	2	− 1	0·21	−0·19	31	− 3	32	− 3
5. ENGLAND, SOUTH	57	27	51·4	37·0	43·9	− 3·1	34	− 11	14	+ 7	3	0	0·31	−0·09	41	+ 4	42	+ 4
Western																		
6. SCOTLAND, WEST	64	25	51·1	36·1	43·2	− 1·9	33	− 2	17	+ 6	2	− 1	0·62	+0·01	27	− 9	28	− 9
7. ENGLAND, N.W.	59	23	50·7	35·6	42·8	− 3·0	32	− 5	18	+ 10	2	− 1	0·27	−0·18	39	+ 3	39	+ 3
8. ENGLAND, S.W...	58	22	51·5	37·8	44·3	− 2·6	34	− 9	12	+ 6	3	0	0·62	+0·08	46	+ 6	48	+ 6
9. IRELAND, NORTH	59	26	50·7	38·7	44·4	− 1·5	31	− 7	9	+ 1	3	− 1	0·23	−0·30	20	− 14	20	−14
10. IRELAND, SOUTH	61	28	53·5	38·7	45·7	− 1·6	40	− 4	9	+ 4	4	0	0·40	−0·20	34	− 3	35	− 3
11. CHANNEL ISLANDS	56	39	52·1	43·7	47·7	− 1·2	40	− 9	0	− 1	2	− 2	0·37	−0·10	48	+ 4	50	+ 4

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 7 Weeks, March 3rd to April 20th, 1907.

0. SCOTLAND, NORTH	66	18	*	*	*	*	135	+ 21	148	− 38	35	+ 2	6·80	+1·16	200	+ 12	32	+ 2
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	168	+ 14	181	− 9	24	− 3	3·43	+0·17	250	+ 51	41	+ 8
2. ENGLAND, N.E...	69	24	*	*	*	*	220	+ 58	144	− 9	24	− 1	2·25	−0·43	284	+ 85	46	+14
3. ENGLAND, EAST	70	21	*	*	*	*	238	+ 26	132	− 28	23	0	2·13	−0·34	302	+ 79	49	+13
4. MIDLAND COUNTIES.. ..	71	18	*	*	*	*	272	+ 52	149	− 16	23	+ 1	2·51	−0·25	255	+ 53	42	+ 9
5. ENGLAND, SOUTH	71	20	*	*	*	*	254	+ 29	106	− 7	23	+ 2	2·79	+0·13	311	+ 89	51	+15
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	208	+ 49	120	− 21	25	− 2	6·26	+1·15	220	+ 10	36	+ 2
7. ENGLAND, N.W...	68	23	*	*	*	*	224	+ 51	115	− 8	25	0	3·97	+0·37	265	+ 59	43	+10
8. ENGLAND, SW.	67	20	*	*	*	*	242	+ 23	101	+ 7	27	+ 2	4·57	+0·58	271	+ 31	45	+ 5
9. IRELAND, NORTH	63	26	*	*	*	*	215	+ 26	76	− 40	32	+ 2	5·76	+1·68	201	+ 4	33	+ 1
10. IRELAND, SOUTH	65	27	*	*	*	*	260	+ 24	54	− 33	35	+ 8	4·48	+0·03	225	+ 3	37	+ 0
11. CHANNEL ISLANDS	69	29	*	*	*	*	276	+ 18	6	− 24	21	− 6	2·86	−0·44	321	+ 52	53	+ 9

THE YEAR.—Aggregates, &c., for the period of 16 Weeks, December 30th, 1906, to April 20th, 1907.

0. SCOTLAND, NORTH	66	8	*	*	*	*	188	+ 14	483	− 19	83	+ 4	18·88	+3·25	291	+ 13	26	+ 1
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	237†	+ 11	563†	+ 16	54	− 8	6·87	−1·15	412	+ 89	36	+ 8
2. ENGLAND, N.E.	69	15	*	*	*	*	295	+ 53	487†	+ 33	52	− 6	4·53	−1·54	463	+149	40	+13
3. ENGLAND, EAST	70	10	*	*	*	*	284	− 18	511	+ 12	50	− 7	4·77	−1·15	456	+ 93	39	+ 8
4. MIDLAND COUNTIES.. ..	71	10	*	*	*	*	338	+ 14	526	+ 25	47	− 8	4·97	−1·94	409	+ 87	35	+ 7
5. ENGLAND, SOUTH	71	16	*	*		*	327	− 16	430	+ 58	45	− 8	5·51	−1·60	471	+115	40	+10
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	283	+ 33	384	− 6	63	− 4	14·01	−0·11	336	+ 21	29	+ 2
7. ENGLAND, N.W.	68	15	*	*	*	*	284	+ 17	405	+ 31	59	− 2	8·17	−1·09	412	+ 94	35	+ 8
8. ENGLAND, S.W...	67	5	*	*	*	*	322	− 48	389	+ 96	62	+ 1	9·28	−1·74	427	+ 43	36	+ 4
9. IRELAND, NORTH	63	16	*	*	*	*	308	− 6	284	− 49	75	+ 3	10·87	+0·24	318	+ 3	27	0
10. IRELAND, SOUTH	65	11	*	*	*	*	417	− 5	245	− 7	71	+ 6	8·25	−3·77	351	− 7	30	− 1
11. ENGLISH CHANNEL	69	21	*	*	*	*	439	− 38	96	− 13	55	−13	6·46	−2·75	481	+ 44	40	+ 4

† The corresponding values for some previous weeks have been slightly altered owing to the receipt of further information.

April 14-20, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	46	29	42·7	34·1	38·2	- 3·2	2	27	6	0·60	+ 0·13	30·6	- 4·4	30	- 4
	Stornoway	52	33	43·1	35·7	41·6	- 1·8	17	24	7	0·55	- 0·07	31·2	- 6·6	31	- 7
Mainland.	Wick	52	30	47·4	35·4	41·1	- 2·1	15	25	5	0·39	- 0·02	*	*	*	*
	†Lairg (Strathpeffer) ..												25·8	- 7·6	26	- 8
	Glencarron	53	29	48·4	33·8	40·8	- 2·1	18	31	3	0·48	- 0·73	*	*	*	*
	Fort Augustus	56	26	49·8	34·4	41·7	- 2·8	22	29	4	0·29	- 0·24	27·6	+ 0·3	28	0
	Fort William	54	27	50·0	35·8	42·6	- 2·5	30	17	4	0·61	- 0·24	*	*	*	*
1. SCOTLAND, E.	Nairn	59	28	50·6	32·4	41·1	- 3·1	24	37	3	0·18	- 0·12	37·1	—	37	—
	Aberdeen	50	31	47·1	35·6	41·1	- 2·8	14	24	3	0·19	- 0·31	46·7	+ 10·1	47	+ 10
	†Balmoral (Crathes) ..	50	25	46·7	29·1	37·5	- 3·2	13	46	4	0·09	- 0·43	46·0	—	46	—
	†Clathick (Balruddery) ..	55	24	51·0	32·1	41·1	- 3·8	25	38	1	0·17	- 0·37	38·4	—	39	—
	†Leith (Edinburgh)	53	32	49·3	35·9	42·3	- 3·1	28	17	2	0·07	- 0·26	36·0	+ 7·0	36	+ 7
	Marchmont	52	26	47·9	31·0	39·0	- 4·2	17	39	3	0·33	- 0·21	48·6	+ 15·2	49	+ 15
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	55	25	48·8	32·3	40·2	- 3·1	19	36	3	0·10	- 0·39	50·6	—	51	—
	†Shields (Newcastle)	57	29	47·9	33·7	40·5	- 3·7	17	31	2	0·20	- 0·15	39·3	+ 13·8	40	+ 14
	Durham	54	26	48·8	32·0	40·0	- 4·1	19	37	2	0·07	- 0·34	38·8	+ 6·8	40	+ 7
	Scarborough	55	33	47·1	37·3	42·0	- 2·7	14	13	1	0·04	- 0·36	24·6	—	25	—
	York	57	29	51·4	34·3	42·4	- 3·6	35	22	3	0·10	- 0·28	38·5	+ 6·1	39	+ 6
Southern part.	Spurn Head	55	35	46·6	38·4	42·3	- 2·5	17	10	2	0·07	- 0·32	*	*	*	*
	†Lincoln (Skegness)	57	28	51·5	33·9	42·3	- 4·4	36	23	1	0·11	- 0·26	36·8	—	38	—
	†Fulbeck (Rauceby)	55	28	50·1	36·6	43·0	- 2·9	30	15	3	0·18	- 0·19	38·7	—	40	—
3. ENGLAND, E. — Northern part.	Hillington	56	26	50·4	35·1	42·4	- 3·7	32	19	3	0·21	- 0·19	43·4	+ 7·0	45	+ 7
	†Yarmouth (Lowestoft) ..	51	34	47·0	38·7	42·7	- 2·2	19	9	4	0·14	- 0·23	47·7	—	49	—
	Geldeston	56	31	50·3	36·0	42·8	- 3·1	31	17	4	0·16	- 0·18	44·6	+ 6·5	46	+ 7
	(Cromer)												44·4	—	46	—
Southern part.	Cambridge	56	27	52·3	36·0	43·8	- 3·3	38	17	3	0·31	- 0·04	35·8	- 1·9	37	- 2
	Felixstowe	52	31	48·8	37·6	42·9	- 3·5	25	12	1	0·11	—	50·4	—	52	—
	Clacton-on-Sea	55	33	50·6	38·6	44·3	- 2·5	30	10	1	0·09	—	49·6	—	51	—
	Rothamsted	56	27	51·8	34·4	42·7	- 3·1	37	21	2	0·25	- 0·18	38·4	+ 3·0	40	+ 3
	Shoeburyness	56	31	51·6	37·7	44·3	- 3·2	34	12	3	0·17	- 0·12	*	*	*	*
	London, Westminster	56	35	52·0	38·6	45·0	- 3·0	35	10	3	0·22	- 0·18	24·4	- 2·8	25	- 3
	(Dunmow)												38·6	—	40	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	54	28	49·7	33·7	41·3	- 2·9	22	32	3	0·09	- 0·38	31·0	—	32	—
	†Bawtry (Worksop)	57	28	52·6	35·1	43·4	- 2·8	39	19	2	0·04	- 0·32	27·7	- 3·4	28	- 3
	Nottingham	55	32	50·4	36·3	43·0	- 3·4	31	16	3	0·46	+ 0·08	29·7	—	31	—
	Birmingham, Edgbaston ..	53	30	49·5	35·9	42·4	- 3·4	28	17	1	0·16	- 0·28	15·8	—	16	—
	Oxford	54	30	52·6	36·9	44·4	- 2·7	38	14	2	0·23	- 0·14	33·8	- 2·0	35	- 2
Western part.	†Cheadle (Sheffield) ..	53	27	49·9	34·1	41·6	- 3·3	22	30	2	0·22	- 0·26	25·8	—	26	—
	Shrewsbury	56	27	52·6	35·7	43·7	- 2·4	38	18	2	0·09	—	*	*	*	*
	Hereford	55	28	52·3	36·3	43·9	- 2·7	37	16	4	0·27	- 0·14	*	*	*	*
	Cirencester	55	28	51·6	33·9	42·3	- 3·2	36	23	1	0·23	- 0·23	40·0	+ 3·9	41	+ 4
	Bath	57	30	52·7	36·1	44·0	- 3·7	39	17	1	0·27	- 0·21	41·0	—	42	—
	(Margate)												45·8	+ 9·1	47	+ 9
5. ENGLAND, S.	Kew	56	32	52·1	37·6	44·5	- 2·8	36	12	3	0·27	- 0·11	36·9	+ 1·8	38	+ 2
	Wisley, Surrey	56	29	52·2	36·8	44·1	- 3·3	37	15	4	0·19	—	36·6	—	38	—
	†Swarraton (Ventnor) ..	56	28	51·5	35·1	42·9	- 2·8	35	19	2	0·47	+ 0·03	47·6	+ 4·9	50	+ 5
	Tunbridge Wells ..	54	30	50·8	35·3	42·7	- 3·6	33	19	4	0·10	- 0·33	33·3	- 5·1	34	- 5
	†Dungeness (Littlestone) ..	54	27	50·0	35·7	42·5	- 4·0	30	18	3	0·22	- 0·08	44·2	—	46	—
	Hastings	55	34	50·6	38·0	44·0	- 3·1	31	11	4	0·35	- 0·05	42·0	+ 0·9	43	+ 1
	Southampton	57	31	53·7	37·4	45·2	- 3·2	42	13	3	0·49	+ 0·03	41·9	+ 2·2	43	+ 2
	†Portland Bill (Worthing) ..	53	34	50·0	40·3	44·9	- 3·1	27	5	2	0·35	—	50·4	—	52	—
	(Eastbourne)												46·3	+ 5·3	48	+ 5
6. SCOTLAND, W.	†Laudale (Oban)	54	27	51·0	37·2	43·8	- 2·0	33	13	4	1·05	+ 0·10	34·0	—	34	—
	Glasgow	55	32	49·4	37·2	43·0	- 1·9	27	13	1	0·17	- 0·32	20·6	- 9·7	21	- 10
	Dumfries	62	28	52·5	34·6	43·1	- 2·3	39	21	1	0·40	- 0·08	*	*	*	*
	Cally	64	25	53·0	34·0	43·0	- 2·1	41	22	4	0·86	+ 0·22	*	*	*	*
	Douglas, Isle of Man	53	30	49·6	37·4	43·2	- 2·3	28	13	2	0·64	+ 0·08	27·1	- 15·7	28	- 16
7. ENGLAND, N.W. .. .. —	Aspatria	59	27	52·0	33·6	42·4	- 2·7	38	24	2	0·36	- 0·10	32·6	—	33	—
	Newton Rigg	55	25	48·2	31·5	39·5	- 4·8	17	39	1	0·03	- 0·43	35·3	- 0·4	36	0
	Stonyhurst	53	26	50·3	34·3	41·9	- 3·2	23	30	1	0·20	- 0·38	29·6	- 5·7	30	- 6
	Blackpool	53	28	51·2	34·2	42·3	- 3·5	35	22	1	0·28	- 0·13	49·2	+ 12·4	50	+ 13
	Manchester, Prestwich ..	53	23	50·8	33·9	41·9	- 3·6	25	31	2	0·28	- 0·19	30·6	+ 0·4	31	0
	†Liverpool Obs. (Hoylake) ..	55	34	51·4	38·0	44·4	- 2·2	34	11	2	0·69	+ 0·33	42·3	—	43	—
	†Hawarden Bridge (Southport)	56	29	52·2	36·8	44·1	- 2·7	37	15	3	0·39	+ 0·12	41·4	+ 2·8	42	+ 3
NORTH WALES	Llandudno	53	31	50·2	39·4	44·5	- 2·6	28	7	2	0·07	- 0·34	47·8	+ 10·8	49	+ 11
	†Holyhead (Aberdovey) ..	51	35	48·6	40·0	44·1	- 2·7	23	6	1	0·31	- 0·14	45·6	—	47	—
	Bettws-y-Coed	57	26	52·4	34·0	42·8	- 3·7	39	22	2	0·07	—	34·7	—	36	—
8. SOUTH WALES	Llangammarch Wells	53	22	51·0	30·6	40·3	- 4·6	25	43	4	0·23	—	33·8	—	35	—
	Pembroke	54	36	49·9	40·4	44·9	- 1·6	27	4	1	0·65	+ 0·19	49·1	+ 7·5	51	+ 8
	†Cardiff (Aberystwyth)	55	29	52·5	35·6	43·6	- 4·3	38	18	4	0·78	+ 0·22	40·5	—	42	—
ENGLAND, S.W.	Clifton	57	32	51·7	38·5	44·8	- 2·6	34	10	2	0·06	- 0·46	44·0	—	45	—
	†Shaftesbury (Marlborough)	54	29	49·1	36·2	42·3	- 3·2	26	16	3	0·74	+ 0·18	24·8	- 8·8	26	- 9
	†Arlington (Newquay)	53	30	51·7				33	4	1	1·05	+ 0·35	51·5	+ 11·2	54	+ 12
	Cullompton	58	30	53·2	36·4	44·4	- 3·5	40	16	4	1·03	+ 0·47	42·5	+ 6·3	44	+ 7
	Plymouth	56	36	52·8	39·7	45·9	- 2·7	37	6	3	0·04	- 0·51	53·5	+ 13·8	55	+ 14
	Falmouth	54	39	51·9	42·4	46·9	- 0·9	34	0	1	1·00	+ 0·35	54·5	+ 11·9	57	+ 12
	(Torquay)												49·1	+ 7·7	51	+ 8
9. IRELAND, N. — Western part.	Malin Head	54	36	49·3	39·3	44·1	- 1·5	26	8	2	0·06	- 0·38	*	*	*	*
	Edenfel	53	29	51·7	37·9	44·5	- 0·2	35	11	3	0·26	- 0·31	*	*	*	*
	Blacksod Point	54	37	51·1	40·7	45·7	- 1·5	31	4	5	0·32	- 0·34	*	*	*	*
	Markree Castle	59	26	51·8	36·9	44·0	- 2·0	35	14	4	0·31	- 0·25	21·9	- 12·6	22	- 13
Eastern part.	Armagh	55	30	51·3	37·3	44·0	- 1·6	34	13	3	0·16	- 0·31	18·1	- 15·9	19	- 16
	Donaghadee	51	37	48·9	40·0	44·2	- 1·7	24	6	1	0·25	- 0·20	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	59	33	52·7	39·0	45·5	- 2·1	37	8	4	0·06	- 0·39	—	—	—	—
	Kilkenny	55	29	52·7	37·7	44·8	- 2·3	38	12	3	0·25	- 0·26	*	*	*	*
	Waterford	57	34	53·3	39·9	46·3	- 0·3	39	6	3	0·31	- 0·30	*	*	*	*
Western part.	Birr Castle	57	28	53·9	35·3	44·2	- 2·5	44	19	4	0·23	- 0·27	30·3	- 5·4	31	- 6
	Foynes	56	30	53·7	39·1	46·1	- 1·1	41	8	6	0·29	- 0·35	*	*	*	*
	Killarney	61	32	56·7	37·9	46·9	- 0·9	52	11	5	0·43	- 0·35	*	*	*	*
	Valencia	55	34	52·3	39·6	45·7	- 2·8	36	7	4	0·67	- 0·22	38·2	+ 0·8	39	+ 1
	†Roches Point (Ballinacurra) ..	55	34	52·3	40·7	46·2	- 2·0	35	4	6	1·06	+ 0·34	32·9	—	34	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	53	44	51·6	44·7	48·0	- 0·8	42	0	3	0·79	+ 0·31	39·4	- 2·8	41	- 3
	†Jersey, St. Aubins (St. Heliers)	56	40	52·4	44·0	48·0	- 1·3	42	0	2	0·05	- 0·45	53·7	+ 9·0	56	+ 9
	Guernsey	56	39	52·3	42·3	47·1	- 1·7	36	0	2	0·28	- 0·28	51·1	+ 5·1	53	+ 5

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 52·0 hrs., 54 %; Brighton, 43·5 hrs. (+ 2·9), 45 % (+ 3 %); Bournemouth, 48·1 hrs., 51 %; Bognor, 49·7 hrs., 51 %; Rhyl, 49·1 hrs., 50 %; Tenby, 48·6 hrs. (+ 5·4), 50 % (+ 6 %).

IV.—TEMPERATURE on the Grass and in the Ground

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·6
	Crathes	5	19	42·1	42·0
	Balmoral	5	18	—	—
	Marchmont ..	—	—	42·7	—
2.	Cockle Park	5	17	42·3	43·4
	York	—	—	44·7	44·3
	Hull	3	22	43·1	43·6
	Lincoln	—	—	44·0	45·0
3.	Lowestoft	—	—	44·9	45·3
	Cambridge	3	18	47·3	47·1
	Dunmow	3	20	—	—
	Clacton-on-Sea ..	2	25	46·5	47·6
4.	Harrogate	3	20	42·5	43·2
	Sheffield	4	25	41·8	42·9
	— — ..				
	Birmingham	3	22	42·4	44·7
	Nottingham	3	26	43·0	43·2
	— — ..				
5.	Kew	3	22	46·3	46·2
	Canterbury	2	24	46·7	47·1
	Portsmouth	1	26	47·7	48·2
	Wisley	—	—	46·2	46·4
6.	— — ..				
	Glasgow	4	20	—	—
	— — ..				
7.	Newton Rigg ..	6	14	42·9	43·0
	Southport	5	17	44·7	45·1
	Manchester City ..	1	26	42·9	45·0
	Bettws-y-Coed ..	2	25	43·0	45·0
	— — ..				
8.	Llangammarch Wells	5	14	45·3	44·9
	Bath	—	—	47·5	47·5
	Plymouth	1	29	48·4	—
	— — ..				
9.	Armagh	3	24	45·1	45·3
	Markree Castle ..	4	22	—	—
10.	Dublin, Trin. Coll. ..	4	25	45·1	46·0
11.	Guernsey, Brooklyn	2	28	48·7	48·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·8
	Kirkwall	45	41	43·1
	Wick	44	43	43·4
SCOTLAND, E.	Cromarty	44	42	43·3
	Pennan Bay	43	42	42·5
	Aberdeen, Cove Bay ..	44	43	43·9
ENGLAND, N.E.	Burnmouth, Berwick ..	45	40	42·2
	Scarborough	45	40	43·1
ENGLAND, E.	Shipwash Lightship ..	45	40	43·8
	Margate‡	48	47	47·5
ENGLAND, S.E.	Eastbourne‡	47	46	46·6
SCOTLAND, W.	Lamlash	46	44	45·2
	Ballantrae	47	44	45·8
ENGLAND, N.W.	Port Erin	47	44	45·4
ENGLAND, S.W.	Newquay	51	50	50·5
	Plymouth‡	49	48	48·3
	Salcombe	48	47	47·1
IRELAND, N.W.	Sheephaven	48	43	47·0
	Ballyglass	53	45	49·1
IRELAND, S.W.	Cleggan	50	45	47·9
	Seafield	52	45	48·6
IRELAND, E.	Kingstown‡	45	44	44·7

‡ Only one observation each day.

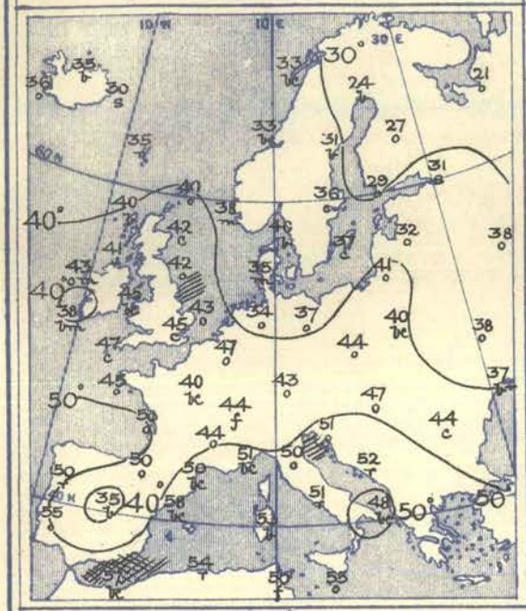
Corrections and Additions for March, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0·5° in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

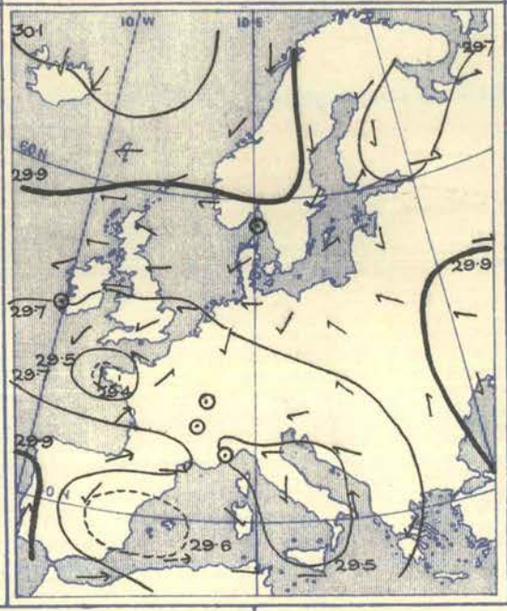
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°.	Below 42°.	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 13, p. 98	6. Scotland, West	—	—	—	—	—	—	—	—	1	0·07	-0·70	—	—	—	—
Station Values.—Additions.																
No. 13, p. 99	Tenby	—	—	—	—	—	—	-	—	—	—	—	61·5	+26·2	71	+30
Station Values.—Corrections.																
No. 9, p. 67	Hillington .. .. ft	—	—	—	—	—	—	—	—	—	0·15	-0·29	—	—	—	—
No. 10, p. 75	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	20·0	+ 1·3	26	+ 2
No. 10, p. 75	Hereford .. .. ft	—	—	47·3	—	39·5	-1·8	15	37	—	—	—	—	—	—	—
No. 10, p. 75	Douglas, Isle of Man ..	—	—	48 1	—	42·3	+0·9	24	14	—	—	—	—	—	—	—
No. 11, p. 83	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	26·9	+ 6·9	34	+ 9
No. 11, p. 83	Cambridge	—	—	49·8	—	42·1	+0·7	31	—	—	—	—	—	—	—	—
No. 11, p. 83	Shrewsbury	—	27	—	37·1	43·3	+1·1	30	14	—	0·24	—	—	—	—	—
No. 11, p. 83	Glasgow	—	—	—	—	—	—	—	—	—	1·58	+0·98	—	—	—	—
No. 11, p. 83	Newton Rigg	—	—	—	32·9	39·0	-0·1	—	33	—	—	—	—	—	—	—
No. 11, p. 83	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	16·9	—	21	—
No. 11, p. 83	Jersey, St. Aubins	—	—	—	—	—	—	—	—	—	0·27	-0·26	—	—	—	—
No. 12, p. 91	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	28·4	+ 6·4	34	+ 8
No. 13, p. 99	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	39·8	+15·0	45	+17
No. 13, p. 99	Laudale	—	—	—	—	—	—	—	—	4	0·35	-0·96	—	—	—	—

Sunday, 14th April, 1907.

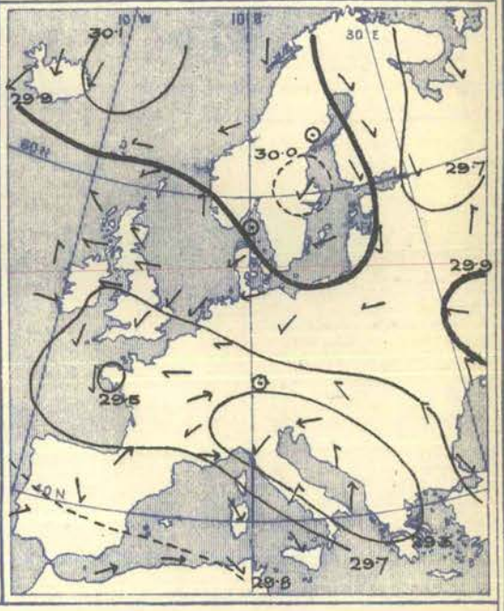
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in several localities, but changeable and unsettled generally, with rain in many places and snow at St. Petersburg and Seydisfjord. Rather heavy rain experienced later in Portugal, the west of France, and on many shores of the Mediterranean.

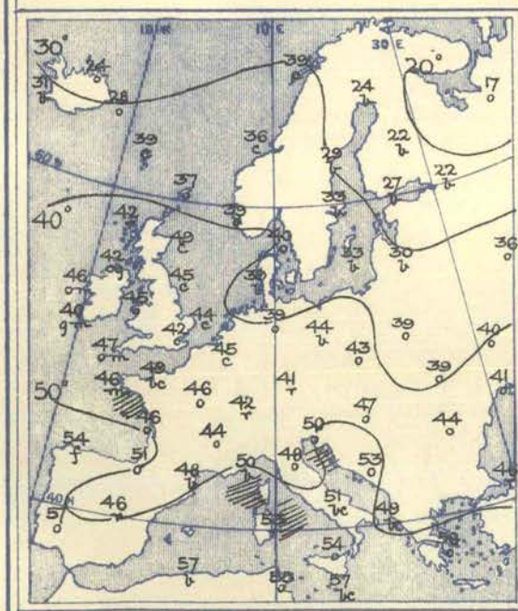
Temperature in morning lower in most places. Readings ranging from a little less than 60° at some extreme southern stations, to about 40° over the greater part of our area, and to much below 32° in the far north-east. Maxima during day 57° at Bournemouth and Bath, but no higher than 45° or 46° on the east coast of England. Thermometer rising to rather above 60° over a large part of southern Europe, and to 66° at Tunis and Sfax.

Wind in morning showing three distinct cyclonic circulations. Not stronger than a moderate or fresh breeze generally, but Easterly current strong at Portland Bill, and a strong to high Westerly wind prevailing in Algeria. Anticyclonic movement spreading eastwards over the northern portion of our area later, but little change of a general character taking place.

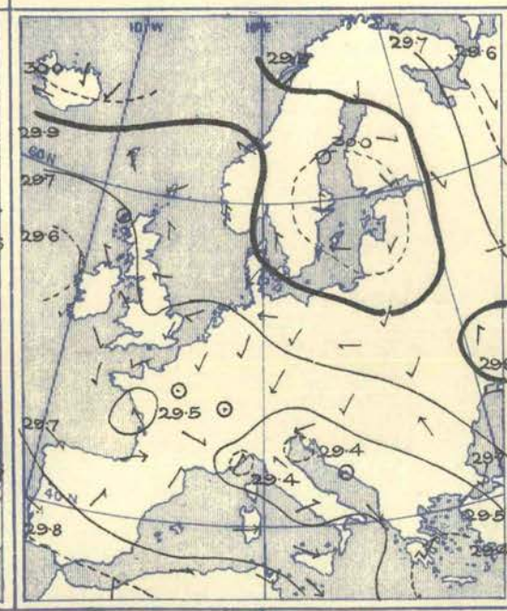
Barometer in morning above 30·1 ins. in an anticyclone to the northward of our Islands, and 30·0 ins. in the extreme south-east. Below 29·7 ins. in a depression of little depth over Finland, less than 29·6 ins. in a system over the west of Spain, below 29·5 ins. in a separate depression over Italy and its vicinity, and below 29·4 ins. in a well-defined minimum over Brittany. Spanish low pressure disappearing by evening and that over Brittany becoming less deep and moving slightly south-eastwards.

Monday, 15th April, 1907.

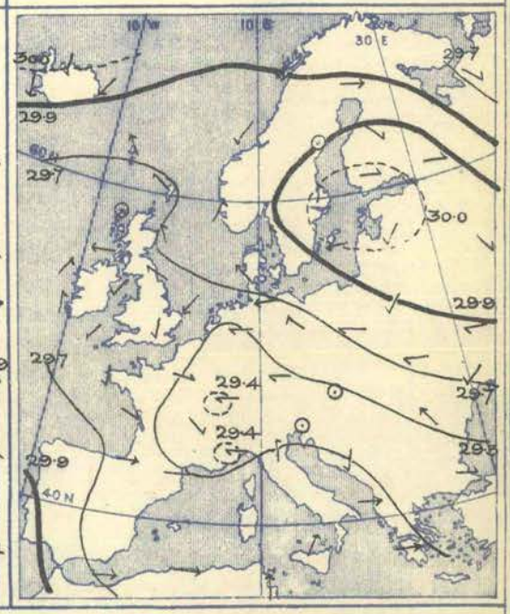
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in nearly all parts of northern Europe and in a few localities elsewhere, but overcast and unsettled in Austria and most parts of southern Europe, with rain in several places. A little rain experienced later at some of our own stations and larger quantities in France, Spain, and Italy.

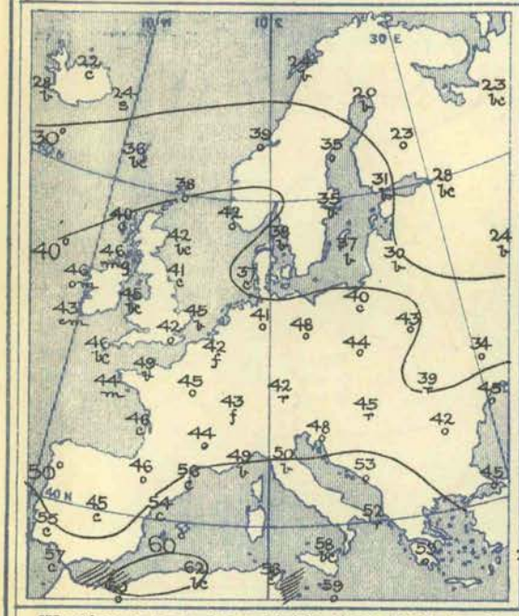
Temperature fallen in most regions. Readings in morning ranging from 60° at Nemours and 57° at Lisbon and Malta, to a little above 40° at many of our own stations and over a large portion of the Continent, and to much below 32° in the north-east; lowest values 22° at St. Petersburg and Kuopio, and 17° at Archangel. Maxima during day rather above 70° in Algeria and 60° or above in the south as a whole, but only 50° at Florence and 55° at Rome. Thermometer remaining below 50° over the greater part of this country.

Wind in morning cyclonic in the south and south-west of our area, anticyclonic in the north; Westerly current strong at Biarritz and Cagliari, but scarcely any other force beyond a moderate breeze. Little change of a general character later, but some increase taking place in the force of the Easterly wind in Denmark, and a high wind from South-West setting in at Oran.

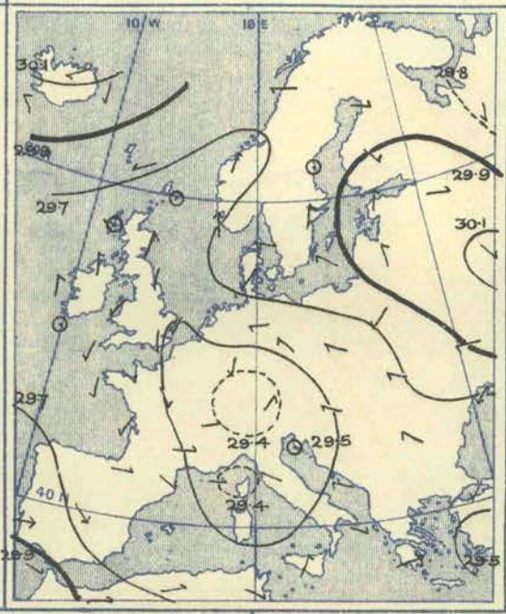
Barometer in morning highest, 30·0 ins. and upwards, in an anticyclone having its maximum over the upper portion of the Baltic, and about as high over the north of Iceland. Lowest, below 29·4 ins. in a minimum over Greece and in a small system near Nice. Below 29·5 ins. in a depression of decreasing intensity over the Bay of Biscay. Subsequent changes slight and irregular, but very little modification occurring in the general distribution.

Tuesday, 16th April, 1907.

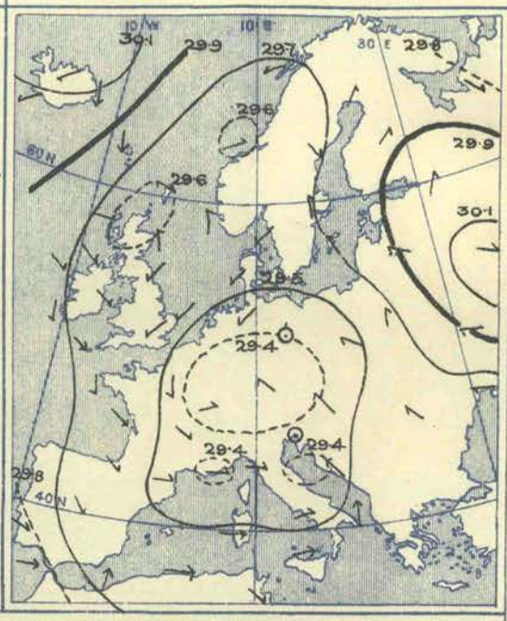
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at nearly all places in the north and north-east of our area and at a few of our own stations; cloudy or overcast elsewhere, with rain in some parts of central Europe, the Spanish Peninsula, and at Brindisi, and snow at Seydisfjord. More than two inches of rain falling later at Brindisi and considerable amounts in Italy generally, as well as at Barcelona and at various French stations. A little rain falling in the north and west of these Islands and in London, and a thunderstorm occurring at Roche's Point, and also in the south-west of France.

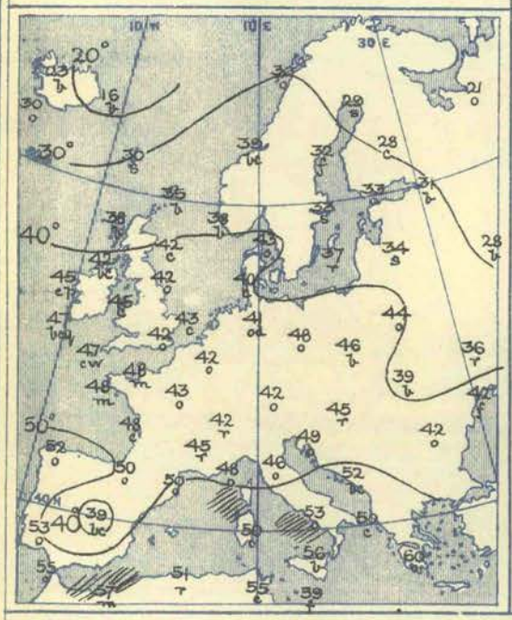
Temperature changed little and irregularly; readings in morning a few degrees above 40° over the greater part of our area, but much below 32° in Iceland, the north of Scandinavia, and the east and north of Russia. Above 50° at most stations on the shores of the Mediterranean and above 60° in some Algerian localities. Rising during day to 56° in London, to above 60° over southern Europe, and to 74° at Sfax. Maxima no higher than 50° at several stations in the central countries, and below that value on the east coast of England.

Wind in morning showing two extensive circulations—anticyclonic over Russia and its vicinity, and cyclonic over the southern and central countries. No great strength reported from any direction, the strongest being a high wind from West-South-West at Athens. A feeble cyclonic movement setting in later off the north of Scotland, but no important change as a whole.

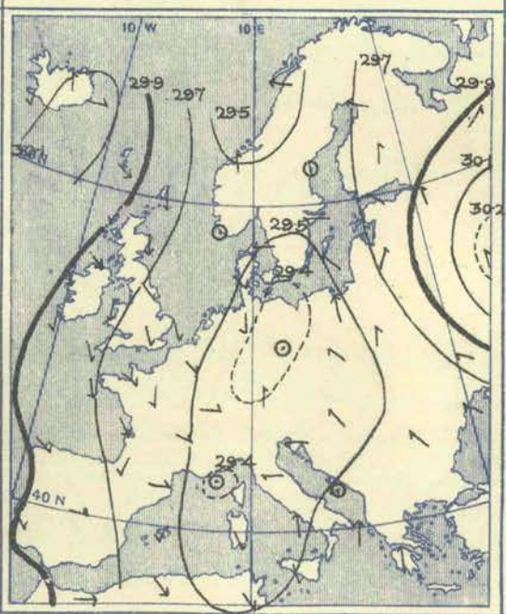
Barometer in morning ranging from above 30·1 ins. in a large anticyclone having its centre near St. Petersburg, and also in another system extending southwards to the north of Iceland, to below 29·4 ins. in an extensive depression, containing two distinct minima, embracing most of central Europe and Italy. Scarcely any change taking place later in the general distribution, but a small, shallow disturbance appearing off the north of Scotland by evening.

Wednesday, 17th April, 1907.

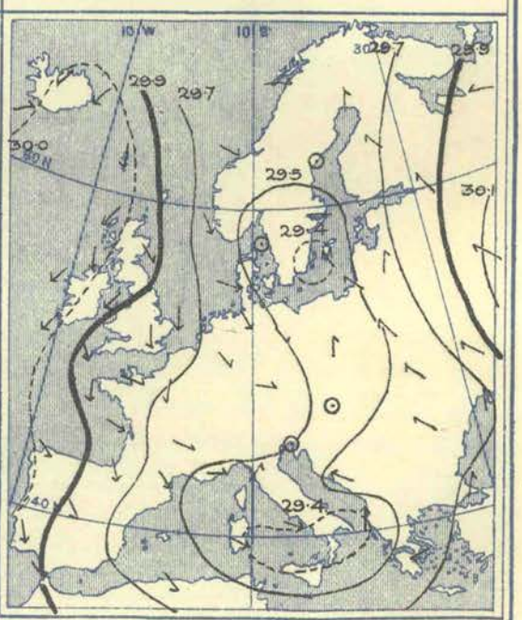
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in a few isolated localities, but cloudy or overcast as a whole, with passing showers or steady rain at some of our own stations and in various parts of southern and central Europe, and snow at Stockholm, in the north of Scandinavia, and also at Thorshavn. Slight showers of rain, with snow in places, in some English and Scotch districts later, and a considerable amount of precipitation in several parts of southern Europe. Thunderstorms occurring at Oxford, Algiers, and in the south-west of France, and thunder at Portland Bill.

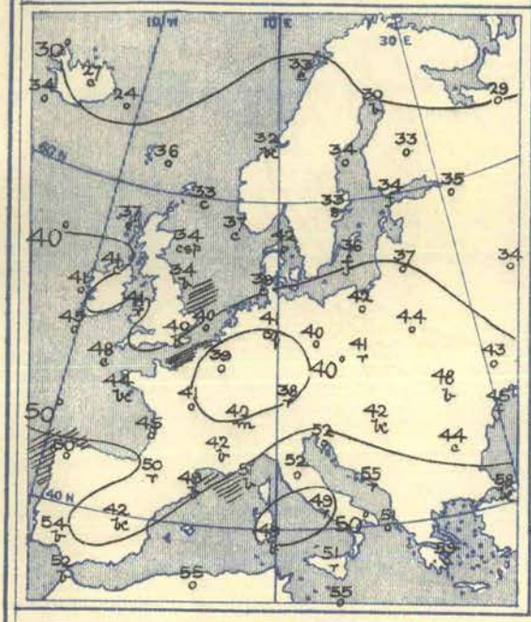
Temperature in morning showing no general change. Readings ranging from 64° at Aumale, 60° at Patras, and above 50° at many other southern stations, to below 40° in the north of Scotland and over the north and east of the Continent generally, and to much below 32° in the north of Russia and in Iceland; lowest values, 21° at Archangel and 16° at Seydisfjord. Rising later to 57° at Bath and Bournemouth, and to above 60° over most of southern Europe and in some central districts, but only touching 55° at Cape Sicié and Cagliari, and remaining below 50° over a large part of these Islands.

Wind in morning cyclonic very generally except in the east and far north-west of our area. Moderate or light in force as a rule, but North-Westerly wind high at Malin Head and fresh from various points of the compass on some shores of the Mediterranean. No change of a general character later in day.

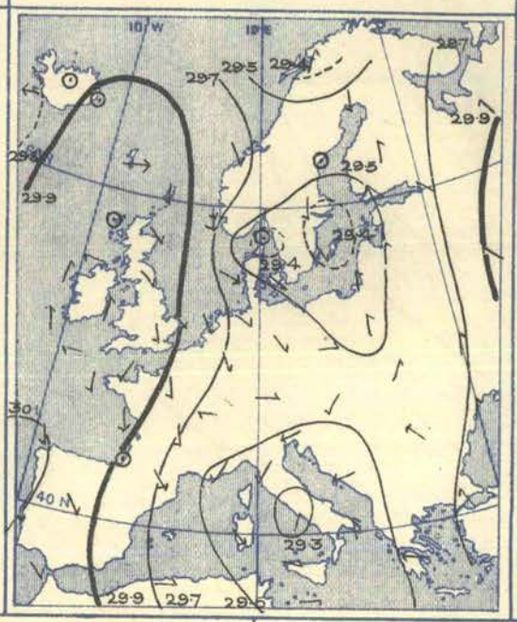
Barometer in morning above 30·2 ins. over central Russia and only slightly lower in Iceland and its neighbourhood. Below 29·5 ins. over the north-west of Norway, and also in an extensive system containing two minima and stretching from the south of Sweden to Tunis. Some local disturbances travelling southwards over our Islands and the North Sea during day, but high pressure on the Atlantic extending more over the United Kingdom. Not much change in the general distribution of pressure.

Thursday, 18th April, 1907.

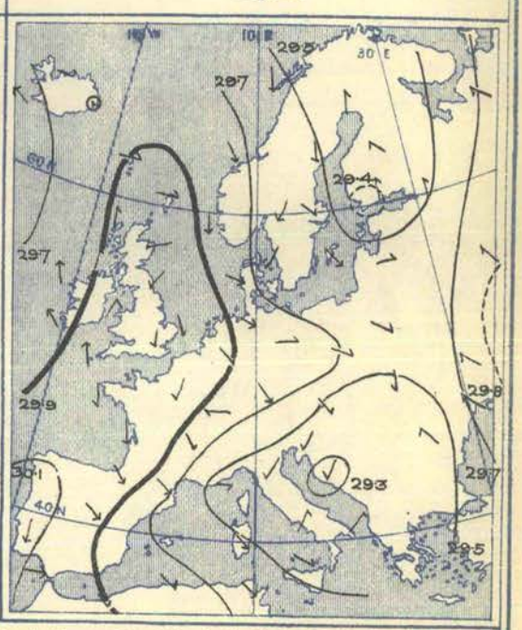
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most regions, but overcast over most of Russia and Italy, as well as on our extreme west and north-west coasts. Snow showers falling at Aberdeen, rain at Munich, Lesina, and at some Italian stations, and a thunderstorm prevailing at Bilbao. Considerable quantities of rain experienced later over the Mediterranean region and slighter falls in isolated places elsewhere.

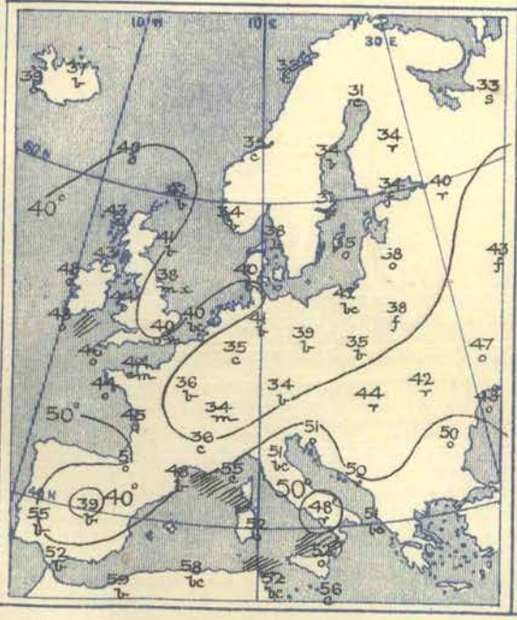
Temperature risen over Russia, fallen as a whole. Readings in morning ranging from 57° at Barcelona to below 40° at nearly all our own stations and in the north and north east of the Continent generally, to 29° at Archangel, and to 24° at Seydisfjord. Rising during day to a little above 60° in various parts of Austria-Hungary and southern Europe and on the coast of Algeria, but remaining below 50° over most of Germany, the north of France, and the United Kingdom, and below 45° on our north-east coast.

Wind in morning mainly anticyclonic over these Islands, the Iberian Peninsula, and Russia, cyclonic elsewhere. Only moderate in force as a whole, but high from North-West at Copenhagen and blowing a gale from North at Skudesnaes. Increasing to a strong breeze from the North-Westward later over the western portion of the Mediterranean and at the mouth of the Elbe, but gale at Skudesnaes subsiding. A light Southerly wind setting in along the western seaboard of these Islands.

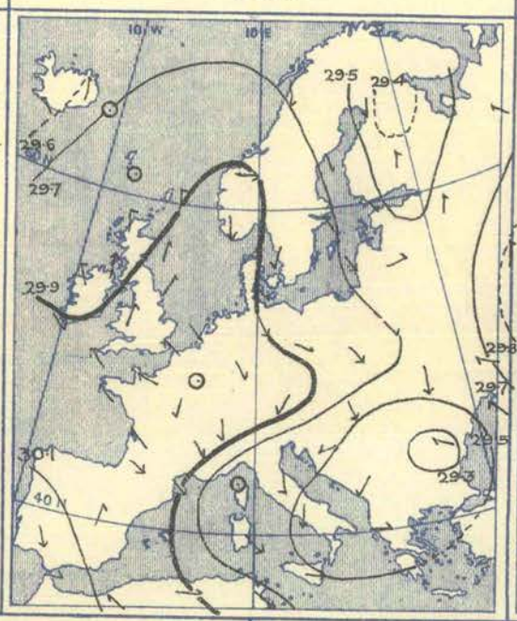
Barometer in morning above 30·1 ins. over Portugal and the north-west of Spain, and above 30·0 ins. in a ridge extending thence to Shetland. Below 29·4 ins. in a disturbance in the far north of Norway and in another system over the upper part of the Baltic, and less than 29·3 ins. in a depression of considerable size over Italy and its neighbourhood. Both high and low pressure systems moving eastwards later and a steady fall of the mercury taking place in Iceland and along our western coasts. Gradients growing steeper over the Mediterranean.

Friday, 19th April, 1907.

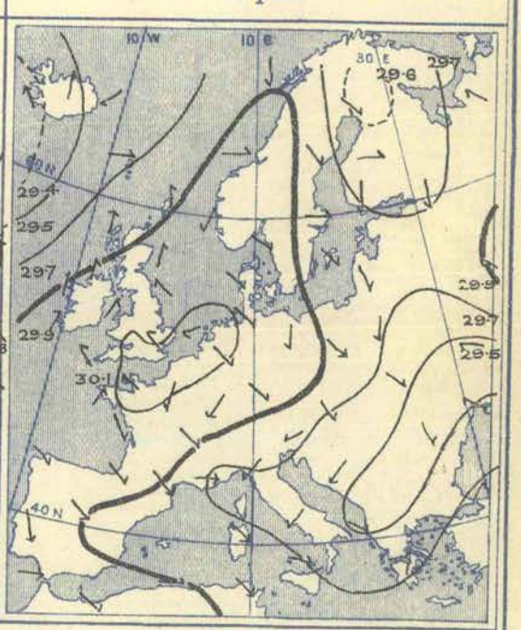
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; fair or fine in most parts of these Islands, but rainy at Birr Castle and overcast in the west generally. Fine and bright over the Spanish Peninsula, Algeria, Iceland and at most stations in Scandinavia. Mainly overcast over the eastern half of our area, with rain or snow in the north of Russia, and rain on the shores of the Adriatic and at Naples. Some rain later in Ireland, on various shores of the Mediterranean, at some Hungarian stations, and also at Bilbao.

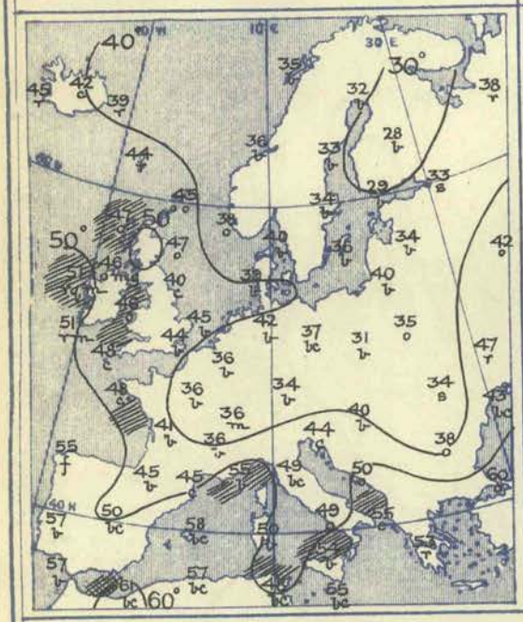
Temperature in morning above 55° at a few stations in the far south, but still below 40° generally, and below 32° in some northern localities. Thermometer only rising to 49° in London during day, and continuing below 50° over these Islands generally, as well as in many parts of central Europe. Maximum 70° at Madrid and on the coast of Algeria, and above 60° in the south as a whole.

Wind in morning light and anticyclonic over England and the nearer countries of the Continent, mainly cyclonic elsewhere. Fresh or strong from the North-Westward on some shores of the Mediterranean. Southerly current extending rather more over these Islands during day, and a fresh or strong South-Easterly breeze setting in in the west of Iceland.

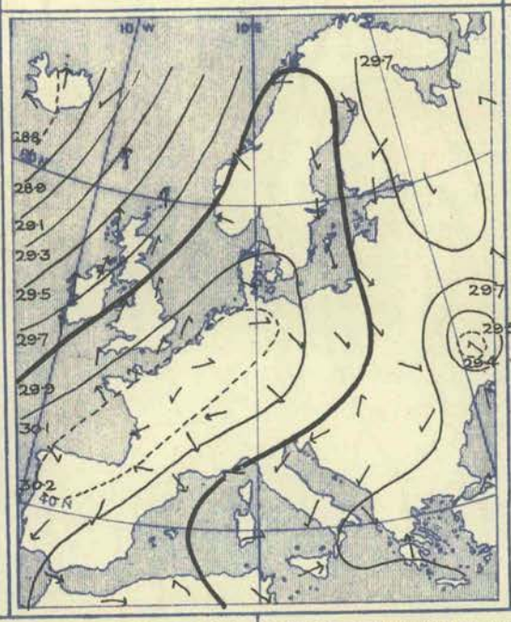
Barometer in morning above 30·1 ins. in the extreme south-west of our area, and above 30·0 ins. in an irregularly shaped area embracing most of France and the whole of the Low Countries and England. Below 29·6 ins. in the west of Iceland, below 29·4 ins. in the north of Finland, and less than 29·3 ins. over Wallachia, Bulgaria, and Servia. Gradients steep in a zone extending from the south of France to Hungary. Pressure giving way quickly later in the south of Russia and rather decidedly in Iceland, but changes slight generally.

Saturday, 20th April, 1907.

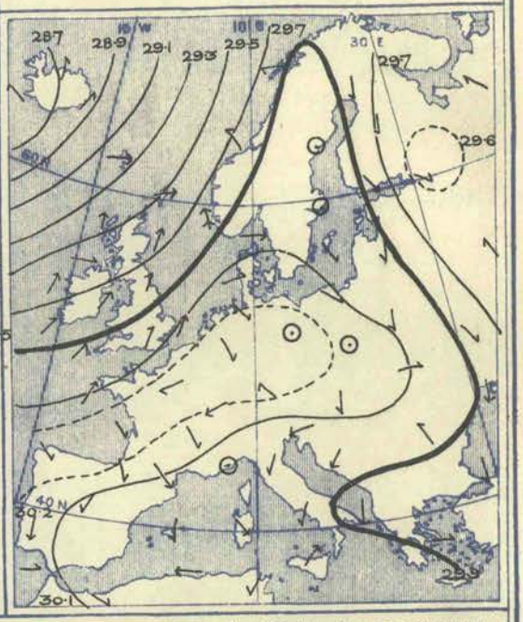
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater portion of England and a large part of the Continent, but dull and rainy in Ireland and Iceland, overcast in Scotland and at many stations in the south and south-east of our area. Rain falling on the coast of Algeria as well as at Patras and Keiff, and snow at St. Petersburg, Lemberg, and Prague. Rain becoming very general over the United Kingdom during the ensuing twenty-four hours, more than half an inch falling in some western districts. Conditions remaining fair and dry over the greater part of the Continent.

Temperature in morning showing a rise over our Islands and their immediate vicinity. Readings ranging from about 60° at a few Mediterranean stations, to below 40° over Europe as a whole, and to below 30° in Finland. Maxima during day below 50° at many stations in the central countries, but 55° or above in some British localities, and above 60° over several parts of southern Europe.

Wind in morning high from the Southward at Malin Head and Holyhead, and moderate to strong from that quarter over our Islands generally, as well as at Thorshavn and at most stations in Iceland. Moderate to strong winds from varying directions prevailing over the Mediterranean region, and a complete cyclonic circulation over the southern part of Russia, Scarcely any change later.

Barometer in morning above 30·2 ins. in an elongated anticyclone extending from Spain to North Germany. Below 29·7 ins. over the north of Russia and below 29·4 ins. in a minimum near Keiff. Other disturbances shown over Italy and its neighbourhood, and a large depression with readings below 28·8 ins. existing to the westward of Iceland. No great modification occurring in the general distribution during day. Icelandic depression continuing to extend eastwards, and a small ill-defined secondary system appearing over the St. George's Channel.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,300 / 1,000	5,000 / 1,500	6,600 / 2,000	8,200 / 2,500	10,000 / 3,000	Remarks.
1907. April 15th, 10.50 a.m. to 11.1 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NE by N, 17	NE ½ N, 20	SSW, 4	SW by W, 5				*Change from NE ½ N to SW at 2,500 ft. Disappeared at 6,000 ft. behind scud from NE.
April 15th, 6.36 p.m. to 6.45 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	N by E, 15	NNE, 17	E by S, 5.	[ENE, 5]				*Veering to SE by S at 3,800 ft., then changing to ENE. Entered cloud at 5,000 ft.
April 16th, 10.0 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	40° 100% N, 12	35° 100% N by W, 20	[40°] [80%] [N by W, 18]					One kite, 4,100 ft. wire. Max. height, 2,700 ft. Overcast. Cloud level, 1,500 ft. Inversion, 5° at 2,500 ft.
April 16th, 6.27 p.m. to 6.38 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	N, 7	N by E, 19	NE by N, 11	NNE, 10				*Veering to NE ½ N at 2,800 ft., backing to NNE at 6,000 ft.
April 17th, 4.49 p.m. to 5.1 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NW ½ W, 11	NW by N, 22	N by W ½ W, 19	[N by W, 18]	[N by W, 21]			*Wind veering with height; velocity very uniform above 1,500 ft. A.-S.; lower clouds from about NNW; nimbus in SW.
April 18th, 10.5 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	40° 60% NW, 11	35° 65% N by W, 18	[25°] [65%] [N by W, 18]					One kite, 77 sq. ft.; 3,100 ft. wire. Max. height, 2,600 ft. Wind fell light soon after kite was started. Cu.
April 18th, 6.40 p.m. to 7.12 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NE by N ½ N, 6	N by E, 6	N by W, 7	N ½ W, 5	N by W, 11	N by W ½ W, 15	NW by N, 19	*At 3,500 metres NW by N, 21; at 4,000 metres NW by N, 32; at 4,500 metres NW by N, 35; at 5,000 metres NW by N, 36.
April 19th, 4.5 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NW, —	NE, 5	N, 8	NW, 4	WNW, 5			Pilot balloon observed by two theodolites. Very light wind; NE current probably only temporary.
April 19th, 6.0 p.m. to 6.20 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	S by W, 5	SW, 12	N by W ½ W, 8	N ½ E, 11	N, 14	N, 10	N ½ W, 15	* Motion very uniform between 4,000 and 8,000 ft. Backing to NNW at 8,500 ft.; veering above with increase of velocity. Haze and ill-defined clouds from N.
April 20th, 10.10 a.m. to 12.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	51° 70% S 14	48° 80% S by W, 25	35° 90% SW by S, 25	28° 50% SW, 25 *				Two kites, 130 sq. ft.; 9,500 ft. wire. Max. height, 5,700 ft. Cloud level about 4,000 ft. Wind, temperature and humidity very unsteady.
April 20th, 1.55 p.m. to 3.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	48° 80% S by W, —	43° 80% SSW, 38	34° 95% SSW, 39					One kite, 77 sq. ft. Max. height, 4,065 ft. Max. wire, 4,020 ft. Min. temp., 32°. Cloud level about 3,500 ft. Overcast. After 3 p.m. rain and increasing wind.
April 20th, 3.30 p.m. to 5.10 p.m.	Brighton, 380 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	47° 70% SW by W, 8	40° 70% SW, 20	35° 65% WSW, 25					One kite, 77 sq. ft.; 7,100 ft. wire. Max. height, 3,800 ft. Cl.-S. Lowest temperature, 34° at 3,800 ft.
April 20th, 4.53 p.m. to 5.20 p.m.	Ditcham Park, Petersfield. 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m per hr.	S by W, 12	SW by S, 26	SW, 27	WSW, 22	W ½ S 15,	W ½ N, 17	NW by W, 18	* At 3,500 metres NW by W, 19; at 4,000 metres NW by N, 19. Some backing between 11,000 and 12,000 ft. Velocity increasing at about 12,000 ft., decreasing again above. Cl.-S.

* Pilot Balloon. Uniform ascensional velocity of 500 ft. per minute assumed.

63, Victoria Street, London, S.W. *April 24th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 17. SEVENTEENTH WEEK, ENDING SATURDAY, APRIL 27TH, 1907.

Price 6d.
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I.—General Remarks.

Weather.—The general condition was unsettled, some days being very bright and others very cloudy or overcast with more or less rain. Both Sunday and Friday were wet throughout at most places in the south and south-east of England, while on Saturday showers of hail or snow were experienced in many places, and thunder occurred at Dublin and in various localities in Great Britain.

Temperature was fairly high during the earlier days of the week and very high on Wednesday, the shade readings on that day being 70° or rather above in England S. and E. and the Midland Counties, and as high as 68° in England N.E., England S.W., and Ireland S. In Scotland N. the thermometer rose no higher than 56°. Although the latter half of the period was much colder, the average for the week was above the normal in all districts except Scotland N. The lowest of the minima were registered, as a rule, on Saturday, when the thermometer fell to 32° or below in nearly all districts, and to 28° in Scotland E. In the Channel Islands the lowest reading was 41°. The lowest readings reported on the grass were 21° at Balmoral and 22° at Cambridge.

Mean Temperature of the Sea.—At all the stations except Lamlash there was an increase of warmth, the difference from the preceding week being more than 3° at Plymouth, and between 1° and 2° in most other places. The actual values ranged from 44·0° at Lerwick, Wick, and Pennan Bay, to 47·9° at Margate, to 51·0° at Newquay and Seafield, and to 51·6° at Plymouth.

Rainfall varied a good deal. In England S., S.W. and E. it was considerably in excess of the average, while in Scotland E. and Ireland S. there was a large deficiency. In the other districts the divergence from the normal was less striking.

Bright Sunshine exceeded the mean in Scotland, Ireland S. and the N.E. and N.W. of England, and just equalled it in Ireland N. Elsewhere there was a slight deficit. The percentage of the possible duration ranged from 47 in Scotland E., and 44 in Ireland S., to 32 in the Midland Counties, and 29 in England E.

Barometer and Wind.—During the earlier half of the week the highest pressure became gradually transferred from central Europe to the Bay of Biscay and subsequently to the Atlantic off our western and north western coasts. The wind consequently underwent a change in direction, from S. and S.W. to W., and then to N.W. or N. The cyclonic disturbances over our Islands and their neighbourhood were not deep, and the force of the wind did not often exceed a moderate breeze except on our most western coasts, where it sometimes increased to a strong breeze, and on Wednesday, when it reached gale force from the Westward for a few hours at Wick.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* No. 15, p. 116.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Heavy	Light	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Light	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 8 weeks from Mar. 3rd, 1907.	Warmth ...	2 * 2	2 * 2	4 * 2	3 * 0	3 * 0	3 * 1	3 * 1	3 * 1	3 * 1	3 * 0	5 * 1	3 * 2
	Rainfall ...	4 * 1	3 * 3	1 * 2	2 * 3	1 * 1	3 * 2	3 * 2	2 * 1	3 * 2	4 * 1	2 * 4	2 * 2
	Sunshine ...	2 * 0	5 * 1	6 * 1	5 * 2	3 * 1	4 * 1	1 * 2	4 * 1	3 * 2	2 * 2	3 * 2	2 * 1

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 2	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (17th)—April 21st to 27th, 1907.

DISTRICTS. (See p. 131.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	56	? 22	49·7	38·4	43·7	− 0·6	27	− 3	10	− 2	7	+ 3	0·81	+0·20	43	+ 9	41	+ 8
Eastern																		
1. SCOTLAND, EAST	63	28	53·6	39·0	46·0	+ 0·9	41	+ 3	8	− 5	3	− 1	0·16	−0·25	48	+ 13	47	+13
2. ENGLAND, N.E.	68	32	55·6	41·8	48·4	+ 2·5	46	+ 9	1	− 7	3	− 1	0·25	−0·12	40	+ 7	39	+ 7
3. ENGLAND, EAST	72	29	55·5	42·7	48·8	+ 1·6	48	0	0	− 8	4	0	0·76	+0·37	29	− 11	29	−11
4. MIDLAND COUNTIES	70	29	55·6	42·4	48·7	+ 1·4	47	− 2	0	− 11	4	0	0·51	+0·07	32	− 4	32	− 4
5. ENGLAND, SOUTH	72	33	56·1	43·5	49·5	+ 1·1	53	+ 3	0	− 4	4	0	1·02	+0·56	38	− 2	38	− 2
Western																		
6. SCOTLAND, WEST	63	32	53·5	40·2	46·6	+ 0·3	40	0	5	− 2	4	0	0·57	−0·10	40	+ 3	39	+ 3
7. ENGLAND, N.W.	64	30	53·4	42·1	47·5	+ 0·4	39	− 3	0	− 5	4	0	0·31	−0·19	39	+ 2	38	+ 2
8. ENGLAND, S.W.	68	31	54·8	42·6	48·4	+ 0·3	45	− 2	0	− 3	4	0	0·78	+0·16	40	− 2	40	− 2
9. IRELAND, NORTH	63	31	53·1	41·9	47·3	+ 0·9	38	− 4	0	− 5	5	+ 1	0·62	+0·04	34	0	34	0
10. IRELAND, SOUTH	68	35	56·5	44·4	50·2	+ 1·8	57	+ 8	0	− 3	4	0	0·30	−0·37	45	+ 7	44	+ 7
11. CHANNEL ISLANDS	62	41	54·2	46·4	50·1	+ 0·2	57	+ 2	0	0	5	+ 1	0·61	+0·09	39	− 8	40	− 8

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 8 Weeks, March 3rd to April 27th, 1907.

0. SCOTLAND, NORTH	66	18	*	*	*	*	162	+ 18	158	− 40	42	+ 5	7·57	+1·32	242	+ 20	34	+ 3
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	209	+ 17	189	− 14	27	− 4	3·59	−0·08	298	+ 64	42	+ 9
2. ENGLAND, N.E.	69	24	*	*	*	*	266	+ 67	145	− 16	27	− 2	2·50	−0·55	325	+ 92	45	+13
3. ENGLAND, EAST	72	21	*	*	*	*	286	+ 26	132	− 36	27	0	2·89	+0·03	331	+ 68	46	+10
4. MIDLAND COUNTIES	71	18	*	*	*	*	319	+ 50	149	− 27	27	+ 1	3·02	−0·18	287	+ 49	40	+ 7
5. ENGLAND, SOUTH	72	20	*	*	*	*	307	+ 32	106	− 11	27	+ 2	3·81	+0·69	349	+ 87	49	+12
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	248	+ 49	125	− 23	29	− 2	6·83	+1·05	259	+ 14	36	+ 2
7. ENGLAND, N.W.	68	23	*	*	*	*	263	+ 48	115	− 13	29	0	4·28	+0·18	304	+ 62	43	+ 9
8. ENGLAND, SW.	68	20	*	*	*	*	287	+ 21	101	+ 4	31	+ 2	5·35	+0·74	311	+ 29	44	+ 4
9. IRELAND, NORTH	63	26	*	*	*	*	253	+ 22	76	− 45	37	+ 3	6·38	+1·72	236	+ 4	33	+ 1
10. IRELAND, SOUTH	68	27	*	*	*	*	317	+ 32	54	− 36	39	+ 8	4·78	−0·34	269	+ 10	38	+ 1
11. CHANNEL ISLANDS	69	29	*	*	*	*	333	+ 20	6	− 24	26	− 5	3·47	−0·35	360	+ 45	51	+ 6

THE YEAR.—Aggregates, &c., for the period of 17 Weeks, December 30th, 1906, to April 27th, 1907.

0. SCOTLAND, NORTH	66	8	*	*	*	*	215	+ 11	493	− 21	90	+ 7	19·65	+3·41	337†	+ 22	27	+ 2
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	278	+ 14	571	+ 11	57	− 9	7·03	−1·40	460†	+102	37	+ 8
2. ENGLAND, N.E.	69	15	*	*	*	*	341	+ 62	488	+ 26	55	− 7	4·78	−1·66	504†	+156	40	+12
3. ENGLAND, EAST	72	10	*	*	*	*	332	− 18	511	+ 4	54	− 7	5·53	−0·78	487†	+ 82	38	+ 6
4. MIDLAND COUNTIES	71	10	*	*	*	*	385	+ 12	526	+ 14	51	− 8	5·48	−1·87	443†	+ 84	35	+ 7
5. ENGLAND, SOUTH	72	16	*	*		*	380	− 13	430	+ 54	49	− 8	6·53	−1·04	507†	+113	40	+ 9
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	323	+ 33	389	− 8	67	− 4	14·58	−0·21	375†	+ 24	30	+ 2
7. ENGLAND, N.W.	68	15	*	*	*	*	323	+ 14	405	+ 26	63	− 2	8·48	−1·28	450†	+ 97	36	+ 8
8. ENGLAND, S.W.	68	5	*	*	*	*	367	− 50	389	+ 93	66	+ 1	10·06	−1·58	468†	+ 41	36	+ 3
9. IRELAND, NORTH	63	16	*	*	*	*	346	− 10	284	− 54	80	+ 4	11·49	+0·28	352	+ 3	28	0
10. IRELAND, SOUTH	68	11	*	*	*	*	474	+ 3	245	− 10	75	+ 6	8·55	−4·14	398†	0	31	0
11. ENGLISH CHANNEL	69	21	*	*	*	*	496	− 36	96	− 13	60	−12	7·07	−2·66	521†	+ 36	40	+ 3

† The corresponding values for some previous weeks have been slightly altered owing to some corrections.

April 21-27 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	50	33	46·4	38·6	42·3	0·0	16	10	7	0·69	+ 0·23	54·1	+ 17·5	52	+ 17
	Stornoway	54	35	49·7	40·6	44·9	+ 0·6	26	4	7	0·68	+ 0·10	39·4	+ 0·1	38	0
0. SCOTLAND, N. — Mainland.	Wick	56	32	51·3	36·6	43·6	- 0·6	34	15	6	0·63	+ 0·22	*	*	*	*
	†Lairg (Strathpeffer) ..	54	? 22	50·5	35·2	42·5	- 0·8	32	19	7	0·54	+ 0·01	42·8	+ 7·8	41	+ 8
	Glencarron	51	35	47·9	38·8	43·1	- 1·0	21	9	7	1·41	+ 0·26	*	*	*	*
	Fort Augustus	55	33	51·7	39·3	45·2	- 0·5	34	8	6	0·43	- 0·08	34·1	+ 5·8	33	+ 6
	Fort William	53	34	50·1	39·4	44·5	- 1·7	28	7	7	1·31	+ 0·54	*	*	*	*
1. SCOTLAND, E.	Nairn	58	34	52·9	40·3	46·3	+ 1·1	37	5	5	0·25	- 0·06	44·9	—	43	—
	Aberdeen	63	35	54·7	41·0	47·5	+ 2·7	43	3	4	0·24	- 0·26	55·1	+ 16·8	53	+ 16
	†Balmoral (Crathes) ..	55	28	50·9	35·3	42·7	+ 0·6	33	19	4	0·27	- 0·24	52·8	—	51	—
	†Clathick (Balruddery) ..	59	31	54·3	37·6	45·6	- 0·6	44	12	0	0·00	- 0·53	46·6	—	45	—
	†Leith (Edinburgh) ..	58	37	54·7	41·7	47·9	+ 1·4	43	1	2	0·03	- 0·31	43·4	+ 12·5	43	+ 12
	Marchmont	59	32	54·0	38·1	45·7	+ 1·4	42	11	3	0·19	- 0·35	44·4	+ 9·4	44	+ 9
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	63	33	55·6	41·2	48·1	+ 3·6	46	2	4	0·30	- 0·19	45·2	—	44	—
	†Shields (Newcastle)	63	35	54·7	39·9	46·9	+ 1·8	43	6	3	0·09	- 0·28	35·6	+ 8·5	35	+ 8
	Durham	64	32	57·0	41·0	48·6	+ 3·4	50	3	2	0·13	- 0·30	39·1	+ 5·8	38	+ 6
	Scarborough .. .. ℳ	68	37	57·5	43·1	50·0	+ 4·2	56	0	4	0·29	- 0·13	47·3	—	46	—
	York	64	34	55·5	41·8	48·3	+ 1·2	45	1	3	0·32	- 0·08	37·7	+ 3·4	37	+ 3
2. ENGLAND, N.E. — Southern part.	Spurn Head	58	38	52·1	43·6	47·7	+ 1·6	40	0	3	0·29	- 0·02	*	*	*	*
	†Lincoln (Skegness)	65	32	57·1	41·3	48·8	+ 0·8	51	2	3	0·23	- 0·15	34·1	—	34	—
	†Fulbeck (Rauceby)	62	32	55·3	? 42·3	? 48·5	+ 1·2	46	0	3	0·36	- 0·03	37·8	—	37	—
3. ENGLAND, E. — Northern part.	Hillington .. .. ℳ	66	29	54·6	40·2	47·1	- 0·1	43	5	5	0·82	+ 0·42	23·3	- 15·5	23	- 15
	†Yarmouth (Lowestoft) ..	67	36	54·0	43·6	48·6	+ 2·4	46	0	5	0·71	+ 0·34	32·0	—	32	—
	Geldeston	69	31	55·9	40·8	48·0	+ 0·9	47	3	6	0·72	+ 0·36	24·9	- 15·8	25	- 16
	(Cromer)												31·6	—	31	—
3. ENGLAND, E — Southern part.	Cambridge	68	32	56·2	40·7	48·1	- 0·1	48	4	4	0·99	+ 0·63	24·7	- 14·9	25	- 15
	Felixstowe	67	38	54·0	45·4	49·5	+ 1·8	53	0	4	0·71	—	32·4	—	32	—
	Clacton-on-Sea	69	34	55·7	43·3	49·2	+ 1·2	50	0	3	0·60	—	34·5	—	35	—
	Rothamsted	68	31	55·0	42·1	48·2	+ 1·1	43	0	4	0·97	+ 0·55	29·8	- 7·6	30	- 8
	Shoeburyness	71	33	57·3	44·4	50·5	+ 1·7	60	0	3	0·40	+ 0·11	*	*	*	*
	London, Westminster	72	36	56·7	44·0	50·1	+ 1·0	57	0	4	0·94	+ 0·55	29·0	- 0·6	29	- 1
	(Dunmow)												30·1	—	30	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	60	32	53·7	40·8	46·9	+ 1·6	39	3	6	0·67	+ 0·21	37·9	—	37	—
	†Bawtry (Worksop)	62	32	57·0	43·4	49·9	+ 2·5	55	0	3	0·28	- 0·09	31·1	- 1·7	31	- 2
	Nottingham	63	29	55·1	41·1	47·8	+ 0·2	44	3	3	0·35	- 0·05	28·0	—	28	—
	Birmingham, Edgbaston ..	66	35	55·1	42·8	48·7	+ 1·8	47	0	3	0·35	- 0·10	26·6	—	27	—
	Oxford	70	32	56·6	43·3	49·6	+ 1·3	53	0	3	0·72	+ 0·33	32·6	- 4·7	33	- 5
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. ℳ	61	34	53·3	40·8	46·8	+ 0·9	39	3	4	0·24	- 0·25	40·1	—	40	—
	Shrewsbury	68	31	56·7	43·1	49·6	+ 2·4	53	0	4	0·30	—	*	*	*	*
	Hereford .. .. .. ℳ	68	35	58·2	44·4	51·0	+ 3·4	63	0	3	0·42	- 0·01	*	*	*	*
	Cirencester	69	33	54·6	41·4	47·7	+ 1·0	42	2	3	0·96	+ 0·50	32·3	- 7·0	32	- 7
	Bath	67	36	55·6	43·3	49·2	+ 0·2	50	0	3	0·76	+ 0·28	29·3	—	29	—
	(Margate)												34·1	- 4·7	34	- 5
5. ENGLAND, S.	Kew	70	36	57·3	43·8	50·2	+ 1·8	57	0	4	1·03	+ 0·64	34·5	- 3·1	35	- 3
	Wisley, Surrey	72	35	57·4	43·8	50·3	+ 1·6	58	0	4	1·12	—	33·8	—	34	—
	†Swarraton (Ventnor) .. ℳ	69	33	55·2	42·1	48·3	+ 1·6	44	0	4	1·11	+ 0·67	41·6	- 3·4	42	- 4
	Tunbridge Wells .. ℳ	71	35	57·0	42·9	49·6	+ 2·3	53	0	3	0·91	+ 0·48	36·6	- 3·6	37	- 4
	†Dungeness (Littlestone) ..	65	35	54·1	43·1	48·3	+ 0.5	44	0	4	0·85	+ 0·55	40·3	—	40	—
	Hastings	70	36	55·6	42·9	49·0	+ 0·8	49	0	4	1·14	+ 0·75	42·5	- 1·5	43	- 2
	Southampton	72	40	60·2	44·7	52·1	+ 2·6	71	0	5	1·18	+ 0·73	37·2	- 4·8	37	- 5
	†Portland Bill (Worthing) ..	58	38	51·6	44·7	48·0	- 1·1	42	0	4	0·82	—	39·5	—	40	—
	(Eastbourne)												47·9	+ 4·6	48	+ 5
6. SCOTLAND, W.	†Laudale (Oban)	56	33	50·9	40·9	45·7	- 1·1	31	3	7	1·34	+ 0·43	27·0	—	26	—
	Glasgow	54	35	51·7	40·9	46·0	- 0·1	33	3	2	0·07	- 0·43	45·9	+ 13·9	45	+ 14
	Dumfries	60	35	55·9	39·6	47·4	+ 0·9	48	7	4	0·13	- 0·44	*	*	*	*
	Cally	63	32	55·4	37·9	46·2	0·0	47	11	4	0·85	+ 0·21	*	*	*	*
	Douglas, Isle of Man	59	34	53·7	41·8	47·5	+ 1·1	39	1	4	0·48	- 0·06	46·3	+ 1·3	45	+ 1
7. ENGLAND, N.W.	Aspatria	57	30	53·0	39·9	46·1	- 0·2	38	6	4	0·46	- 0·01	41·9	—	41	—
	Newton Rigg	58	30	53·6	38·8	45·8	+ 0·4	40	9	4	0·33	- 0·14	40·1	+ 2·2	39	+ 2
	Stonyhurst	54	35	51·3	41·3	46·1	- 0·1	32	2	5	0·46	- 0·12	27·6	- 10·0	27	- 10
	Blackpool .. .. .. ℳ	54	34	51·3	42·3	46·6	- 0·6	32	0	3	0·18	- 0·25	43·3	+ 4·3	43	+ 4
	Manchester, Prestwich ..	60	35	54·6	41·1	47·5	+ 0·9	42	3	5	0·22	- 0·27	33·7	+ 1·2	33	+ 1
	†Liverpool Obs. (Hoylake) ..	60	38	53·3	43·7	48·3	+ 0·5	44	0	3	0·21	- 0·18	42·9	—	43	—
	†Hawarden Bridge (Southport)	62	35	54·7	44·8	49·5	+ 1·5	53	0	3	0·12	- 0·16	43·9	+ 2·5	44	+ 3
7. NORTH WALES	Llandudno .. .. ℳ	61	40	55·3	44·8	49·8	+ 1·6	55	0	2	0·13	- 0·28	43·1	+ 3·8	45	+ 4
	†Holyhead (Aberdovey) ..	60	37	52·0	43·0	47·3	- 0·5	37	0	4	0·80	+ 0·36	37·6	—	38	—
	Bettws-y-Coed	64	34	55·1	41·7	48·1	+ 0·5	44	1	3	0·20	—	38·0	—	38	—
8. SOUTH WALES	Llangammarch Wells	62	32	54·7	40·8	47·4	+ 1·2	43	3	6	0·27	—	30·6	—	31	—
	Pembroke	54	36	51·0	42·9	46·8	- 0·4	34	0	3	0·50	+ 0·05	43·1	- 0·7	43	- 1
	†Cardiff (Aberystwyth)	64	37	55·6	42·8	48·9	0·0	48	0	5	0·68	+ 0·12	42·0	—	42	—
8. ENGLAND S.W.	Clifton	67	36	55·2	42·4	48·5	- 0·2	46	0	4	0·96	+ 0·45	28·1	—	28	—
	†Shaftesbury (Marlborough) ℳ	61	34	53·4	41·4	47·1	+ 0·4	38	2	5	1·20	+ 0·65	29·8	- 5·9	30	- 6
	†Arlington (Newquay)	60	31	53·1	40·3	46·4	- 0·2	38	5	4	0·85	+ 0·19	37·6	- 5·0	38	- 5
	Cullompton .. .. ℳ	68	35	58·6	42·8	50·3	+ 1·4	58	0	4	0·77	+ 0·22	40·5	+ 1·9	41	+ 2
	Plymouth	64	38	56·4	45·2	50·5	+ 0·9	60	0	4	0·78	+ 0·25	45·2	+ 3·2	46	+ 3
	Falmouth	65	38	55·6	44·6	49·8	+ 1·0	55	0	4	0·98	+ 0·37	48·5	+ 3·5	49	+ 4
	(Torquay)												48·3	+ 4·3	49	+ 4
9. IRELAND, N. — Western part.	Malin Head	52	38	49·4	42·3	45·7	- 0·7	26	0	6	0·65	+ 0·21	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	54	39	51·4	44·1	47·6	- 0·5	39	0	7	0·59	- 0·07	*	*	*	*
	Markree Castle	59	31	54·5	40·9	47·4	+ 0·5	42	3	6	0·68	+ 0·12	29·6	- 6·8	29	- 7
9. IRELAND, N. — Eastern part.	Armagh	63	34	56·6	40·1	48·0	+ 1·3	50	5	3	0·51	+ 0·04	39·2	+ 3·2	38	+ 3
	Donaghadee	61	37	53·7	42·1	47·6	+ 0·7	39	0	4	0·67	+ 0·22	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	67	37	59·4	44·8	51·8	+ 3·2	69	0	4	0·30	- 0·15	38·2	- 2·7	38	- 3
	Kilkenny	64	35	57·0	43·6	50·0	+ 1·9	56	0	3	0·13	- 0·37	*	*	*	*
	Waterford	68	36	57·7	43·9	50·5	+ 2·9	60	0	2	0·18	- 0·39	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	63	35	56·1	41·9	48·7	+ 1·0	47	0	4	0·19	- 0·29	33·0	- 4·5	33	- 4
	Foynes	60	38	55·0	45·2	49·9	+ 1·7	55	0	7	0·42	- 0·13	*	*	*	*
	Killarney												*	*	*	*
	Valencia	59	40	54·3	46·3	50·1	+ 0·7	57	0	5	0·32	- 0·53	29·9	- 9·8	30	- 10
	†Roches Point (Ballinacurra) ..	60	36	56·1	45·0	50·3	+ 1·1	58	0	6	0·55	- 0·13	32·6	—	33	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	56	42	53·1	46·3	49·5	0·0	53	0	4	0·70	+ 0·24	38·8	- 5·9	39	- 6
	†Jersey, St. Aubins (St. Heliers)	58	42	54·7	46·7	50·5	+ 0·2	60	0	5	0·65	+ 0·16	36·8	- 10·6	37	- 11
	Guernsey	62	41	54·7	46·1	50·2	+ 0·6	57	0	5	0·47	- 0·07	41·6	- 7·0	42	- 7

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 40·1 hrs., 40 %; Brighton, 39·7 hrs. (- 3·2), 40 % (- 3 %); Bournemouth, 41·3 hrs., 42 %; Bognor, 41·1 hrs., 42 %; Rhyl, 39·9 hrs., 40 %; Tenby, 47·2 hrs. (+ 2·2), 47 % (+ 2 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·9
	Crathes	4	23	44·6	42·6
	Balmoral	4	21	—	—
	Marchmont ..	—	—	45·3	—
2.	Cockle Park	2	27	46·2	43·7
	York	—	—	47·0	44·9
	Hull	3	27	46·3	44·0
	Lincoln	—	—	47·4	45·3
3.	Lowestoft	—	—	48·7	45·9
	Cambridge	3	22	49·0	47·6
	Dunmow	1	30	—	—
	Clacton-on-Sea ..	1	30	48·6	48·0
4.	Harrogate	2	26	45·2	44·0
	Sheffield	1	30	45·5	43·1
	— — ..				
	Birmingham	2	25	45·7	44·8
	Nottingham	2	29	47·3	44·0
	— — ..				
5.	Kew	1	29	49·1	46·9
	Canterbury	1	30	48·3	47·7
	Portsmouth	1	30	51·0	48·9
	Wisley	—	—	49·1	47·2
6.	— — ..				
	Glasgow	2	25	—	—
	— — ..				
7.	Newton Rigg ..	3	20	46·3	43·4
	Southport	0	31	49·7	46·5
	Manchester City ..	0	35	46·7	45·2
	Bettws-y-Coed ..	0	32	47·3	45·2
	— — ..				
8.	Llangammarch Wells	2	25	47·4	45·2
	Bath	—	—	49·5	48·1
	Plymouth	0	31	51·6	—
	— — ..				
9.	Armagh	2	29	48·7	46·2
	Markree Castle ..	2	27	—	—
10.	Dublin, Trin. Coll. ..	0	32	49·4	46·8
11.	Guernsey, Brooklyn	0	35	50·9	49·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	47	41	44·8
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	47	44	45·7
	Pennan Bay	45	43	44·0
	Aberdeen, Cove Bay ..	47	44	45·7
ENGLAND, N.E.	Burnmouth, Berwick ..	47	41	44·2
	Scarborough	49	41	45·6
ENGLAND, E.	Shipwash Lightship ..	49	44	45·8
	Margate†	51	46	47·9
ENGLAND, S.E.	Eastbourne†	49	46	47·7
SCOTLAND, W.	Lamlash	46	44	45·2
	Ballantrae	47	45	46·3
ENGLAND, N.W.	Port Erin	50	45	46·7
ENGLAND, S.W.	Newquay	52	50	51·0
	Plymouth†	55	49	51·6
	Salcombe	50	48	48·4
IRELAND, N.W.	Sheephaven	49	47	48·0
	Ballyglass	53	47	49·7
IRELAND, S.W.	Cleggan	51	45	49·2
	Seafield	53	49	51·0
IRELAND, E.	Kingstown†	47	45	46·3

† Only one observation each day.

NOTES ON CHANGES EXPERIENCED DURING THE WEEK.

The weather of the week under review was so variable in character that the averages contained in the statistical tables give only an inadequate representation of it.

On Sunday, 21st, a South-West wind prevailed over the country. In Scotland the weather was bright and fine, with a temperature rather above the average; in the north of England conditions were dull but little rain fell. A "secondary," passing across the southern counties of England, gave rise to between $\frac{1}{4}$ and $\frac{1}{2}$ inch of rainfall in the southern districts.

The following three days witnessed a remarkable rise of temperature, which reached a maximum in Scotland and Ireland on Tuesday, and in England on Wednesday. Apart from some rather heavy falls in the north of Scotland, hardly any rain fell during this period.

The map for 8 a.m. on Wednesday, April 24th, was in many respects a remarkable one. The highest pressure was over the Bay of Biscay, while a secondary minimum lay near Sumburgh Head. The isobars over the British Isles were in the north-west to south-east direction. The wind at almost all our stations, between the Faroes and the English Channel, was almost due West, thus showing an unusually large angle of incurvature between the direction of the wind and the direction of the isobars. The temperature at 8 a.m. ranged from 48° at Wick to 59° at Yarmouth, Clacton-on-Sea and Dungeness. The average values for the time of the year range from about 45° to 50°. The weather was fine and the day proved a very sunny one, over 10 hours of bright sunshine being recorded at the majority of stations, while in some places 12 hours were exceeded. Under the influence of the sunshine and the warm wind the temperature rose to above 60° in most parts of England, and in the south-east 72° was reached. The eastern stations in Ireland also recorded readings of over 60° on Tuesday and Wednesday.

By 6 p.m. on the evening of Wednesday, 24th, conditions had begun to change. In the north and west the wind had veered to North-West, and at Wick and Malin Head this change had been accompanied by a fall of temperature to 45° and 44° respectively. During the night the cold air advanced southward, and on the morning of Thursday, 25th, we find an interesting distribution of temperature.

North of a line cutting the country in an East-West direction, a little to the south of Yarmouth and Birr Castle ~~a region of~~ the temperature of the ~~cold~~ air was between 40° and 45°, and the direction of motion was generally from between north and west. Within a limited area on the East coast, stretching from Aberdeen to North Shields, readings were still as high as 47° or 48°. On the southern side of the line just mentioned the wind was still from the West, and the temperature was generally above 50° and in some cases above 55°. The temperature contrasts at neighbouring stations on different sides of the line were most striking; for instance, Yarmouth, wind North, 46°; Clacton-on-Sea, wind West, 56°; Birr Castle, wind Easterly and very light, 46°, Roche's Point, wind N.W., 55°. The change from the unusually warm conditions of the previous day had taken place without the occurrence of noteworthy precipitation in most cases. A few showers yielding as a rule less than 0·1 in. of rainfall were all that was recorded in most places. In the course of Thursday, the temperature fell slowly in the region which at 8 a.m. was still comparatively warm.

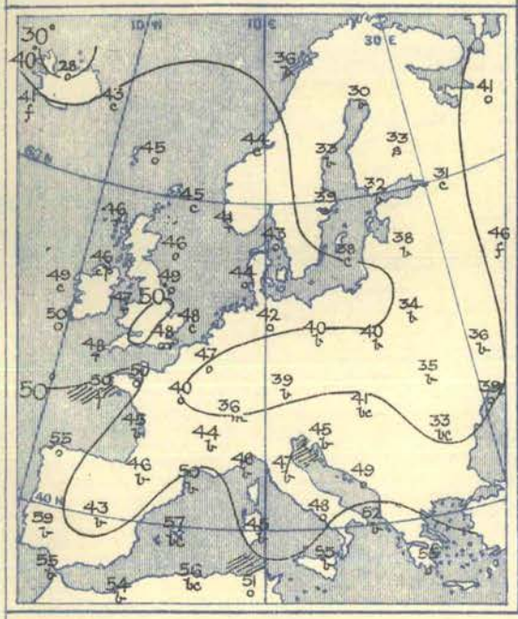
During the night a small minimum of pressure developed on the western portion of the English Channel and rain commenced to fall in the south of England. This probably assisted the reduction of temperature, and by 8 a.m. on Friday, 26th, the readings were generally below 45° in the British Isles. Even the maxima for the day remained below this limit at many places in the south. In London, the maximum was 44°, 28° lower than the maximum reading on Wednesday.

Rain continued to fall in the south of England throughout the greater part of Friday, and considerable rain also fell on Saturday, particularly in the east; the total fall during the three "rain days" Thursday, Friday and Saturday amounted to between 0·5 and 1·0 inch at most southern stations. In the north there was but little precipitation; with the exception of some heavy falls in the north and west of Scotland, the total amounts were generally less than 0·1 inch; but the precipitation frequently took the form of snow or sleet.

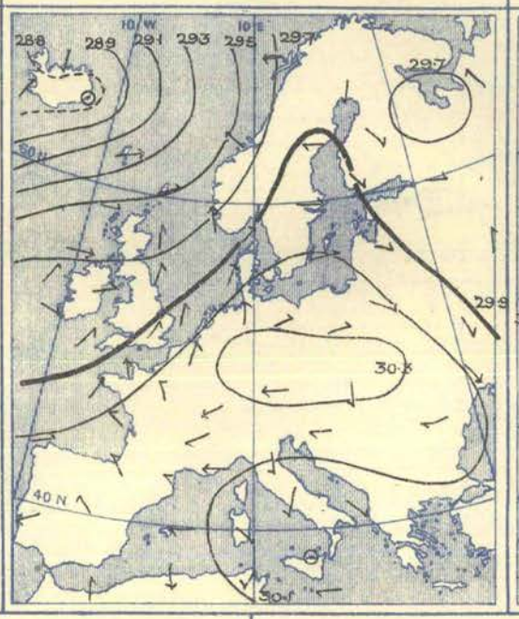
The cold weather at the end of the week almost exactly counterbalanced the unusual warmth of the middle days, with the result that the week's warmth is given as "moderate" in the statistical table on the first page of the report in all districts except two. The rainfall on Sunday, the 21st, added to that at the end of the week, brought the rainfall in the three districts, England South, South-West, and East, above the limit for "heavy," and in the north of Scotland this limit was also passed. The amount of sunshine in the latter district was, however, unusually large, sufficient to bring the figure above the limit for "abundant." The sunshine was also abundant in the east of Scotland and the south of Ireland, in both of which the rainfall was light. Both districts were outside the area affected by the depression at the close of the week, while, as far as the south of Ireland was concerned, the heavy rain associated with the "secondary" at the beginning of the week fell on Saturday, April 20th, and was counted in the previous week.

Sunday, 21st April, 1907.

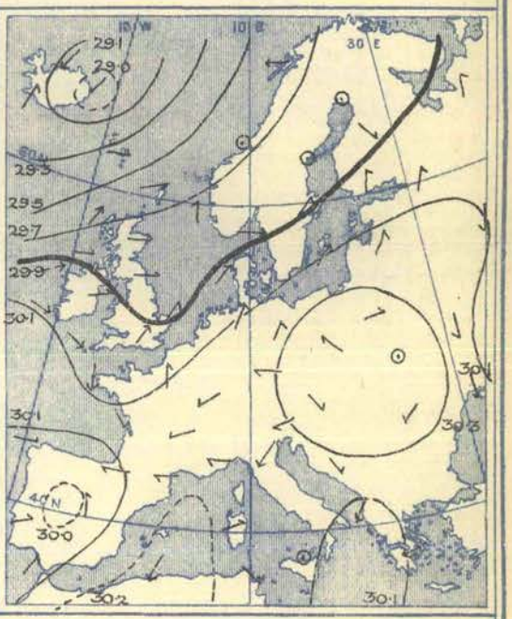
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our area, but rainy over most of England, in the Hebrides, and the south of Norway, and snow falling at Kuopio. Considerable amounts of rain experienced during day in many English districts and over the nearer regions of the Continent and also at Lisbon, and heavy snow at Moscow.

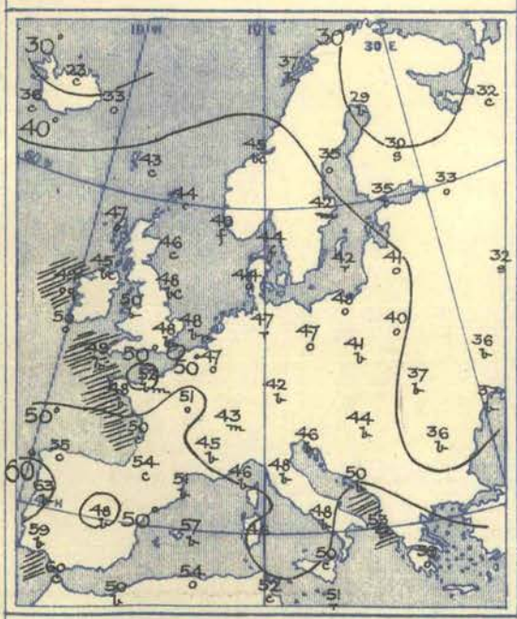
Temperature risen in most localities, but fallen over several parts of southern Europe. Readings in morning 60° at Barcelona, 59° at Lisbon, and above 55° at some other southern stations. Below 40° over most of the European mainland, and below 32° at Munich and in the north of Sweden, as well as in northern Iceland. Rising during day to 57° in the north-east of Great Britain, to above 60° at nearly all stations in the south of our area, and to 70° or slightly above in the Spanish Peninsula. Thermometer not reaching 50° in some stations in Austria-Hungary.

Wind in morning showing a cyclonic movement both in the north-west and south of our area and also in the far east, but scarcely any force stronger than a fresh breeze reported. An extensive anticyclonic circulation prevailing over the central countries. Veering towards North-West by evening on our south west coasts, but no change of a general character occurring.

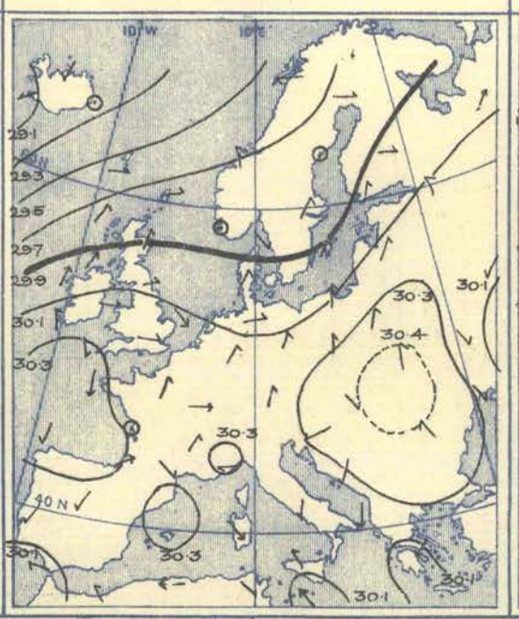
Barometer in morning above 30·3 ins. in an anticyclone having its maximum over central Europe, below 29·7 ins. in an elongated and complex low pressure system over Russia, and less than 28·8 ins. in a deep disturbance over Iceland. Relatively low over the Mediterranean and the south-west of this country. Iceland depression travelling eastwards later and becoming less deep, and a shallow system of a "V-shaped" character moving in a similar direction over the United Kingdom. High pressure system maintaining its position and intensity. Barometer rising quickly over central Russia.

Monday, 22nd April, 1907.

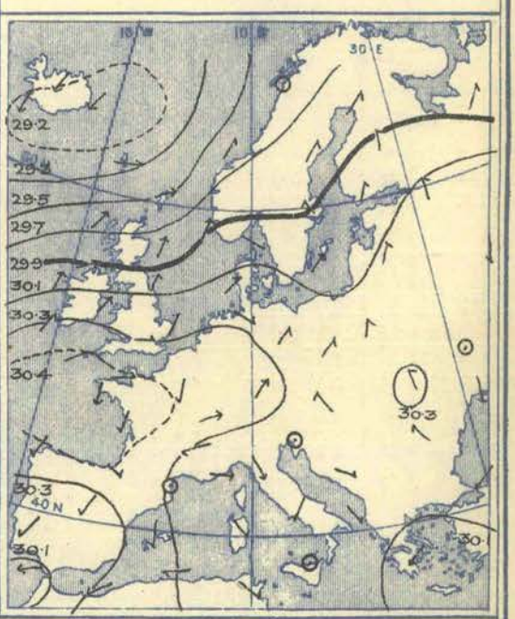
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast over Germany, the Baltic, and Finland, with rain in many places and with snow at Kuopio. Fair or fine in most other regions, but rainy at Brindisi and Malta. Rain experienced later in Scotland, Ireland, Scandinavia, Germany, Sardinia, and Malta, quantity small generally, but 0·8 in. at Cagliari.

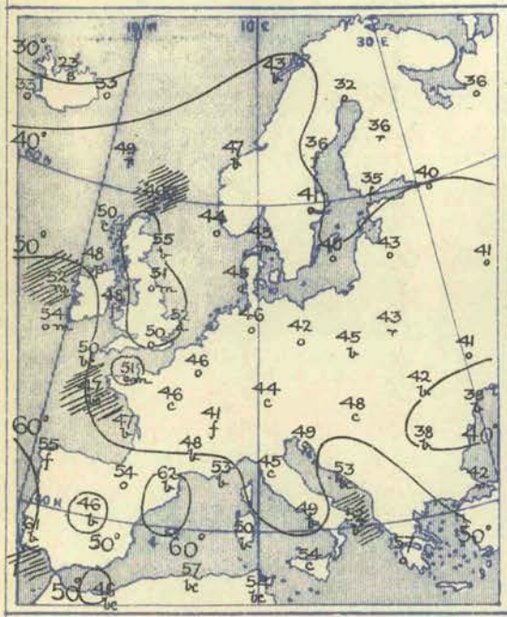
Temperature risen over Spain, France, and Germany, fallen or changed little elsewhere. Readings in morning below the freezing point in most parts of Iceland and at several stations in northern Europe; below 40° over the southern half of Russia. About 50° in many parts of England and Ireland, above that value at most stations in the Mediterranean region, and as high as 63° at Oporto. Maxima during day above 70° at several stations in the Spanish Peninsula, and as high as 75° at Madrid and Oporto. Thermometer remaining below 60° in these Islands, and only slightly exceeding it in Italy.

Wind in morning South-Westerly or Westerly over all the north-western countries; light or moderate generally, but fresh or strong in the north of Ireland and over the Baltic. Moderate to strong breezes from some Northerly point prevailing in the south of our area, but a strong breeze from East-South-East at San Fernando. No general change later, some increase in force taking place on our western and northern coasts. Wind becoming high at Malin Head and Holyhead.

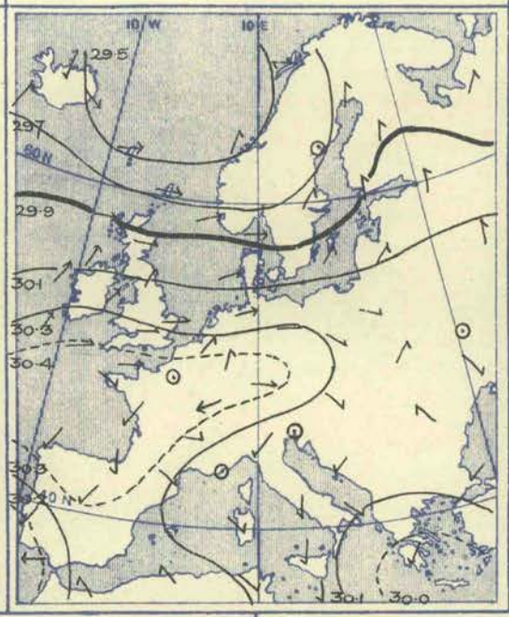
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its centre over Hungary, and above 30·3 ins. in another system over the Bay of Biscay, to below 29·2 ins. over the west of Iceland. Relatively low over the Mediterranean and the south of Russia. A large disturbance travelling eastwards over the extreme north of our area during day, and causing a fall of the barometer over the north of our Islands and Norway. Mercury becoming highest over the Bay of Biscay and Brittany, but continuing relatively high over Hungary.

Tuesday, 23rd April, 1907.

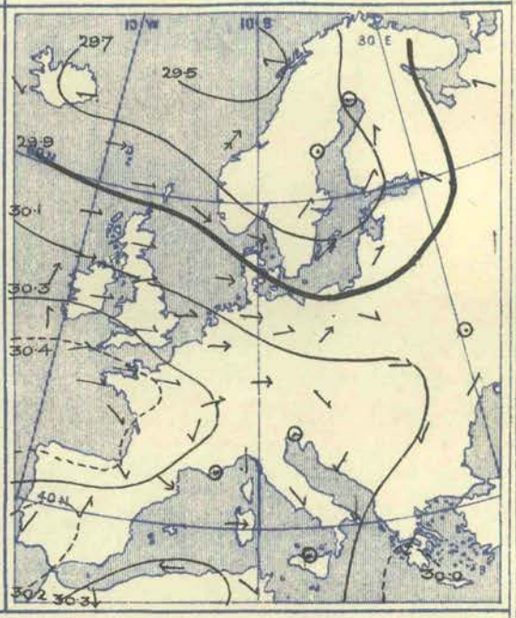
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast at most stations in the north of our area, with snow in the west of Iceland and rain at Karlstad and Kuopio. Fair or fine in almost all other regions, but rainy at Warsaw, Vienna and Constantinople, as well as in the north-west of Ireland. As much as 2·4 ins. of rain falling later at Vienna, and smaller quantities in several other parts of central Europe and in Scandinavia and Russia.

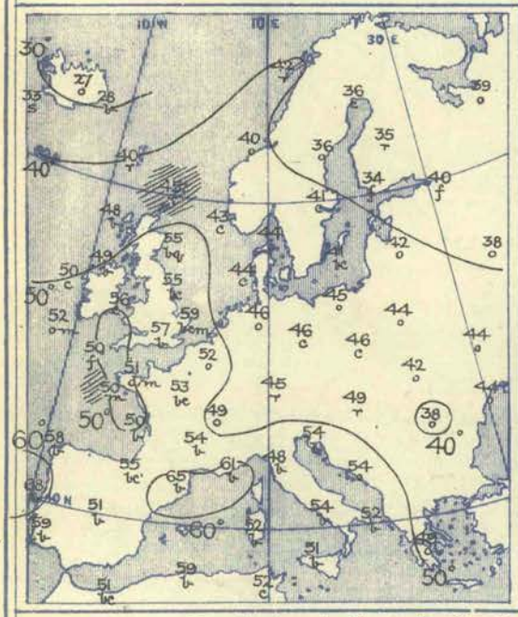
Temperature risen in nearly all regions. Readings in morning 68° at Oporto, 66° at Barcelona, and about 60° at a few other southern stations. Above 50° over the greater portion of these Islands, but decreasing to below 40° in the north-east of Europe, and to below the freezing point in Iceland. Maxima during day above 60° at some of our own stations and at nearly all places in the south of Europe, and above 70° in the Iberian Peninsula and at some French stations; highest value, 77° at Lisbon. Thermometer only rising to 55° at Athens.

Wind in morning South-Westerly to Westerly over all the northern and north-western countries; high at Thorshavn and Wick and fresh or strong in several other localities. More variable in direction over the south of Europe and the Mediterranean; high from East at San Fernando and from North-North-East at Athens. Increasing to a gale later at Christiansund, but a decrease in force taking place in most other places. No general change in direction.

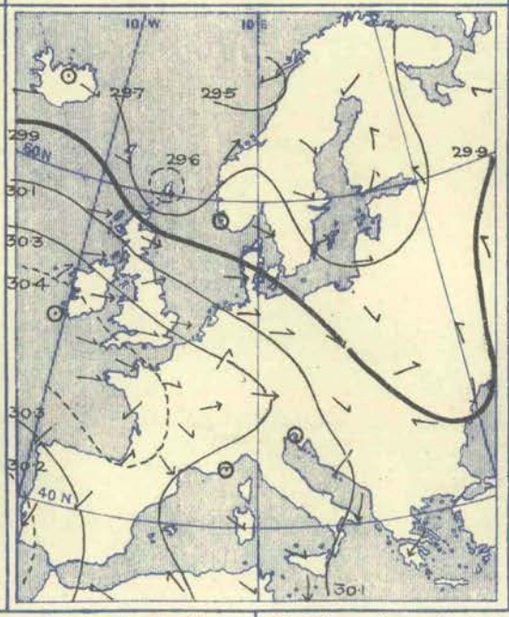
Barometer in morning above 30·4 ins. in an anticyclonic system extending from the Atlantic across France to the centre of Europe. Readings decreasing to below 30·0 ins. over Greece, and to less than 29·5 ins. in a very extensive depression between Iceland and Norway. Relatively low over the south-west of Spain. Northern disturbance travelling eastwards during day, and a decided fall of the barometer occurring over the Baltic and central Europe. Pressure recovering over Iceland and our northern districts.

Wednesday, 24th April, 1907.

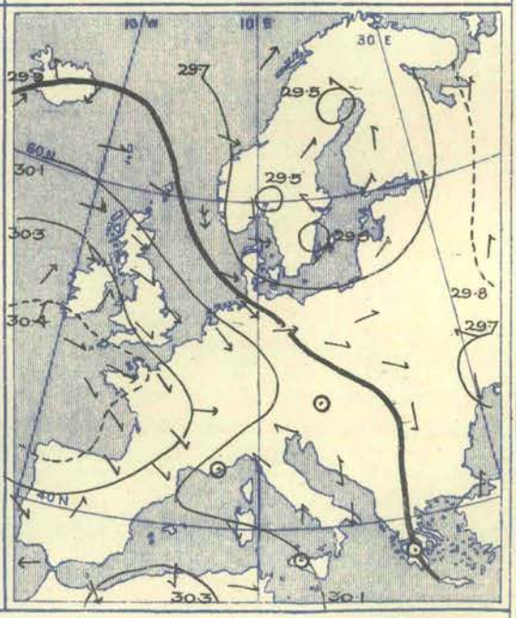
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in nearly all parts of southern Europe and also at most stations in these Islands and Iceland; dull over the central countries, with rain in several places; rainy to the northward of Scotland and at Bodö, and snow falling at Reykjavik. Foggy on our most south-western coasts and over the Gulf of Finland. Rain experienced subsequently in Ireland and Scotland, as well as in Scandinavia and central Europe—more than half an inch at Munich and Vienna.

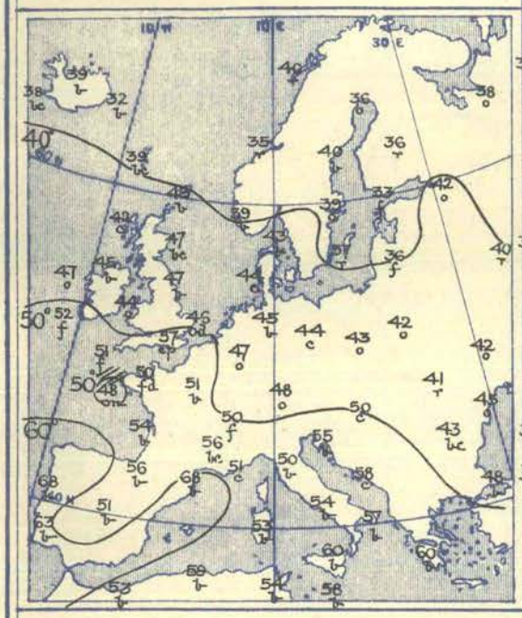
Temperature risen over England and the neighbouring parts of the Continent. Readings in morning as high as 68° at Oporto, 66° at Barcelona, 60° at Nottingham, and 59° on our south-east coasts. Below 40° in the east and north-east of our area, and below 32° in Iceland. Rising quickly over the east and south of England during day; reaching 70° at Worthing, 72° in London, and 69° in several other localities. Maxima between 60° and 70° at nearly all stations in the south of Europe, and above 70° in places. Highest readings, 79° at Madrid, Oporto, and Perpignan. Thermometer only rising to 57° at Athens.

Wind in morning moderate to fresh or strong from the Westward over the United Kingdom generally and blowing a gale at Wick. Light Southerly breezes prevailing over Russia and Finland, and light winds, mainly from the Northward, over Italy and the adjacent Islands. Wind decreasing in force later over this country, but increasing on the eastern shores of the North Sea, and attaining the strength of a gale from North-North-West at Skudesnaes. Continuing light but becoming more variable in direction over Italy.

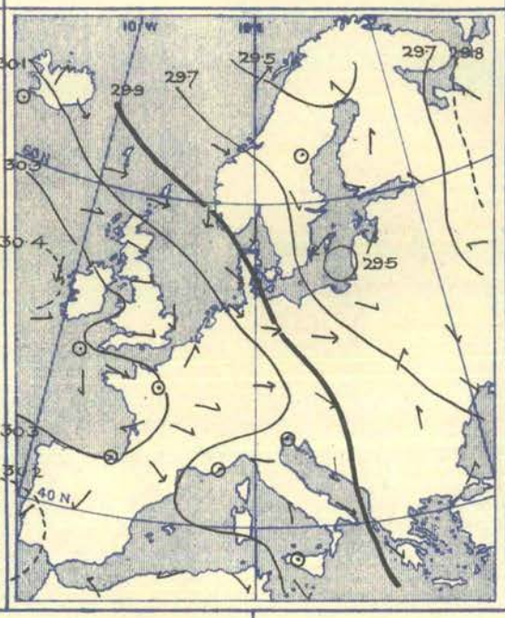
Barometer in morning above 30·4 ins. in an anticyclonic system extending from the Atlantic over our south-western districts, and the west and north-west of France. Relatively low over Italy and its vicinity, below 29·6 ins. over Finland and in a small minimum near Shetland, and less than 29·5 ins. off the north-west coast of Norway. Northern cyclonic systems travelling eastwards during day, and pressure increasing decidedly in Scotland Little change taking place within the region of high pressure.

Thursday, 25th April, 1907.

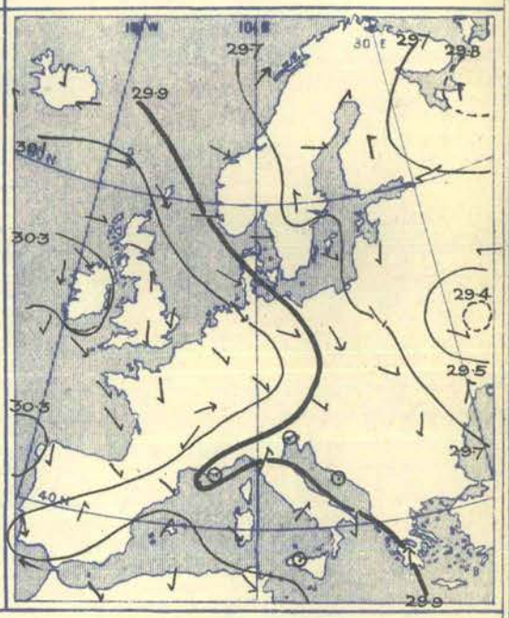
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over southern Europe and the Mediterranean, changeable and showery over our Islands; overcast, with rain, over Poland and the Baltic, as well as in the north-west of Norway; fine in Iceland. Rain falling subsequently in the south and south-east of England and also over Germany and the south of Russia; largest measurement, 0·63 in. at Munich.

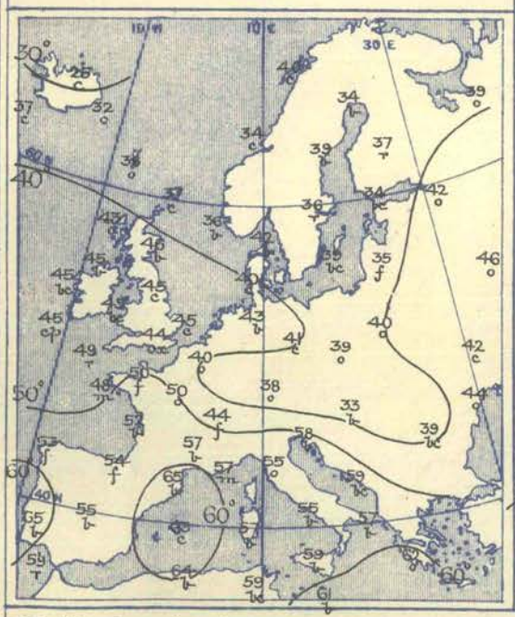
Temperature fallen generally, risen over Italy, Greece, and in a few other localities. Readings in morning below 50° over most of this country and the European mainland, but above 55° in some southern regions, and above 60° in Portugal and at Barcelona and Perpignan. Rising later to above 60° at several places in the south and south-east of England, as well as at Scarborough, and to above 70° at some French and Italian stations, and touching 82° at Perpignan and Madrid. Maxima below 50° or only a little above it over central Europe.

Wind in morning mainly from North-West or West over the United Kingdom and the North Sea, and of little force. Cyclonic circulations prevailing over Italy and the north-east of Prussia, the North-Westerly current blowing strongly over Denmark. Direction becoming more variable by evening over these Islands, but no change of a general character taking place.

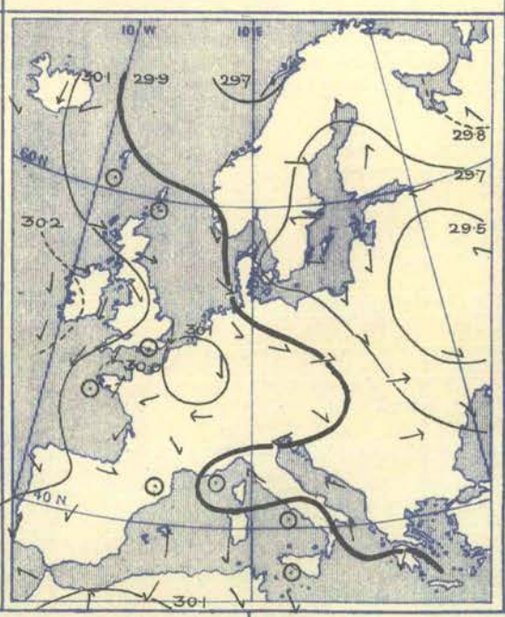
Barometer in morning ranging from above 30·3 ins. in an anticyclone extending from the Atlantic and covering Ireland, the Bay of Biscay and a large portion of France, to below 29·9 ins. in a minimum over the north of the Adriatic, and to less than 29·5 ins. in a system centred over East Prussia, and relatively low in a shallow depression over Wales. Changes very irregular subsequently. Welsh disturbance moving south-eastwards and another minimum forming over the English Channel during the night. Anticyclone apparently withdrawing westward to the Atlantic.

Friday, 26th April, 1907.

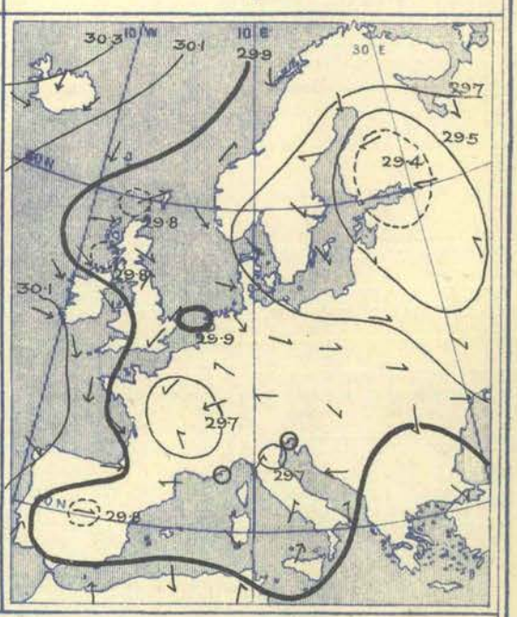
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over the south of England, showery in the south-west of Ireland, and overcast, with rain or snow in places, over the central and north eastern countries of Europe. Fair or fine in most other regions, but foggy at Corunna, Biarritz, and Cape Sicié. Rain continuing all day at many places in the south and south-east of England, and considerable or heavy falls occurring over the adjacent portion of the Continent. Largest amounts, 1·2 in. at La Hève, and 0·8 in. at Paris. Heavy rain experienced during night on the coast of Wales.

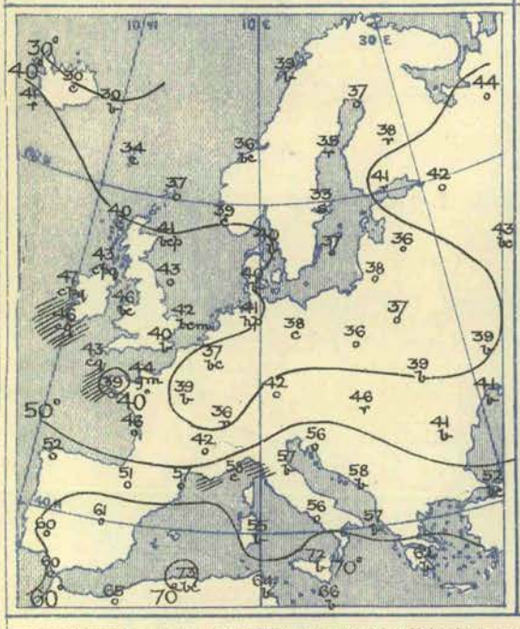
Temperature fallen except in the extreme north and south of our area. Readings in morning above 60° at some stations in the Iberian Peninsula, Algeria, and Greece, but below 50° generally, and below 40° in several regions. Frost prevailing over the greater part of Iceland. Rising later to 84° at Madrid, 82° at Perpignan, and between 70° and 80° in many other southern localities. Maxima low over these Islands and central Europe; less than 50° at most stations, and only 44° in London and 43° at Bournemouth.

Wind in morning showing several partial or complete cyclonic circulations. North-Westerly current strong to high on the coast of Jutland, and that from North-East strong on our own south-west coast. Scarcely any force beyond a moderate breeze in the other parts of our area. No change of importance later in day.

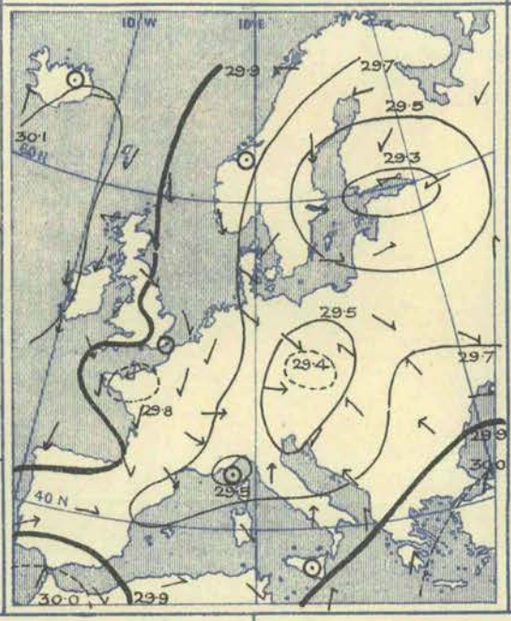
Barometer in morning ranging from above 30·2 ins. over Ireland and above 30·1 ins. over the Netherlands, to below 30·0 ins. in a small depression centred near Guernsey, to below 29·9 ins. over nearly the whole of Italy, below 29·7 ins. off the coast of Finmark, and to below 29·5 ins. in a large depression over Russia. Russian disturbance moving northwards during day, and that near Guernsey travelling south-eastwards to the east of France. Barometer falling briskly over our north-western and northern districts, and another depression appearing off the north of Scotland.

Saturday, 27th April, 1907.

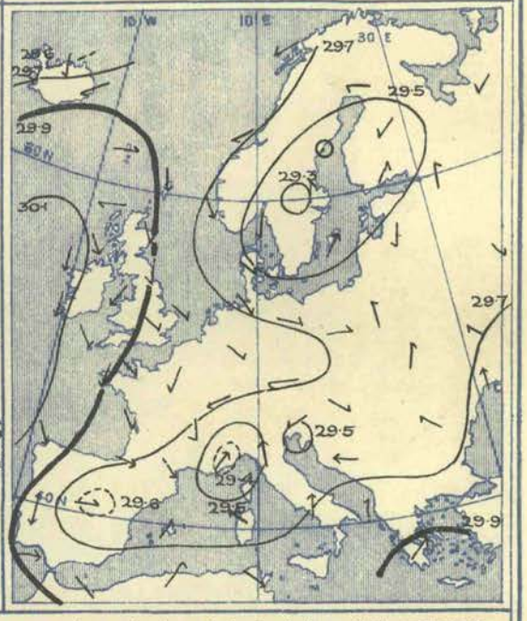
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in several localities, but very unsettled generally, with rain or snow at many stations in the central and north-eastern countries, and with showers in the north-west of our Islands. Rain experienced later in nearly all parts of this country, France, Spain, and in various parts of Italy. A thunderstorm occurring at Jersey, thunder at Nottingham and Spurn Head, and hail at many of our stations.

Temperature fallen as a whole, risen in the extreme south of our area. Readings in morning ranging from 73° at Algiers, 72° at Palermo and above 60° at some other southern stations, to about 40° or rather below over Europe generally, and to 20° in the north and west of Iceland. Maxima during day below 50° in most parts of the United Kingdom, Germany, and Austria, but thermometer rising to 70° and above over the south of our area, to 81° at Algiers and to 86° at Tunis.

Wind in morning showing as many as four separate cyclonic circulations; fresh or strong in force in a few places, but moderate as a whole. High from the Southward at Oran and from the Westward at Munich. A light Southerly breeze prevailing over the west of Iceland. No change of importance during day.

Barometer in morning above 30·1 ins. to the westward and north-westward of these Islands, and above 30·0 ins. in the far south-east and south-west of our area. Below 29·8 ins. in a depression that apparently reached Brittany from the northward, less than 29·5 ins. in a small minimum over the Gulf of Genoa and also in another system centred near Passau, and less than 29·3 ins. in another disturbance over the Gulf of Finland. Latter system moving westwards during day, its centre being found over the south of Sweden by 6 p.m. A fresh fall of the mercury occurring in Iceland, but little change taking place in these Islands. Depression over Brittany moving across France and disappearing in the general low pressure in the south of that country.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus:⟫⟶ = a heavy gale;⟶ = a gale;⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres: Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
April 22nd, 2.30 p.m. to 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	55°	49°						One kite, 3,000 ft. wire. Max. height, 2,500 ft. Temp., 44°. A few detached cumulus. Height about 4,000 ft.; velocity about 20 m. per h.
		Humidity	60%	65%						
		Wind Velocity, m. per hr.	WSW, 11	WSW, 18		[20]				
April 23rd, 9.50 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	52°	48°	44°					One kite, 54 ft.; 3,800 ft. wire. Max. height, 3,700 ft. Cloud level, 1,700 ft. Increase of velocity a little above the cloud level. Very steady wind. Overcast.
		Humidity	85%	100%	?					
		Wind Velocity, m. per hr.	WSW, 16	W, 35	W by N, 48					
April 24th, 9.45 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	59°	56°	48°					One kite, 54 ft.; 5,400 ft. wire. Max. height, 4,200 ft. Temp., 48°. Wind, 50 m. per h. Cloud level, 2,800 ft. Very strong and irregular wind above the cloud level. Velocity of cloud shadows, 40 m. per h.
		Humidity	80%	90%	100%					
		Wind Velocity, m. per hr.	WNW, 15	NW by W, 25	NW, 34					
April 27th, 5.10 p.m. to 6.14 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	37°	33°	26°	19°				One kite, 77 sq. ft.; 7,000 ft. wire. Max. height, 4,700 ft. Min. temp., 18°. Overcast. Snowstorms at 2.30 and 5 p.m.
		Humidity	100%	100%	95%	100%				
		Wind Velocity, m. per hr.	N by E, —	NNE, 27	NE, 35	NNE, 28				
April 20th, 2.37 p.m. to 5.47 p.m.	Chelsea.	Temperature F.								Manned balloon ascent by the Hon. C. S. Rolls. Decrease of wind at 4,000 ft. Landed near Botesdale on borders of Norfolk and Suffolk.
		Humidity								
		Wind Velocity, m. per hr.	SSW	SSW	SW	[WSW]				

63, Victoria Street, London, S.W. *May 1st, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 18. EIGHTEENTH WEEK, ENDING SATURDAY, MAY 4TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather during this week was cold and unsettled. Falls of rain or hail occurred almost daily, but there were, nevertheless, frequent intervals of clear sky, especially over England. Thunder or thunder and lightning occurred at Ventnor and Lowestoft on Monday and at Tunbridge Wells on Thursday.

Temperature was below the normal, the deficit varying, as a rule, between 3° and 4°. The highest of the maxima were registered either early or quite late in the week. In Scotland W. the thermometer touched 62° and in the Midland Counties 60°, but in most other parts of the Kingdom it did not exceed 57° or 58°, and in Ireland N. it only touched 54°. The lowest of the minima were recorded on Sunday, and ranged from 28° in Scotland E. and England S.W., to 33° in England E. and to 39° in the Channel Islands.

Mean Temperature of the Sea.—On some parts of the south-west and west coasts the sea was more than a degree colder than during the preceding week, the decrease at Plymouth being 2·5°. On the north-east coast of Scotland, on the other hand, there was a moderate increase of warmth. The actual values ranged from 51° at Newquay to about 45° on the north and north-east coast of Scotland and to 43·6° at Burnmouth.

Rainfall exceeded the average in all districts, the excess being large generally, but small in England N.E. and Ireland S.

Bright Sunshine did not differ very materially from the average over the Kingdom generally. The percentage of the possible duration ranged from 46 in the Channel Islands and 45 in England S.W. to 31 in England N.W. and Ireland N. and to 25 in Scotland N. and E.

Barometer and Wind.—During the earlier half of the week the distribution of pressure was mainly North-Westerly, and the winds from that quarter were of no great strength. By Thursday morning, however, the centre of a large and deep cyclonic system had approached a position off the west of Scotland, and the Westerly to South-Westerly wind current became strong or high over the greater portion of these Islands, and reached the force of a gale on several parts of the western and southern coasts. This disturbance subsequently travelled slowly eastwards and became less deep, its centre on Saturday lying over the northern part of the North Sea.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 140.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Moderate	Heavy
	Sunshine ...	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 9 weeks from Mar. 3rd, 1907.	Warmth ...	2 * 3	2 * 3	4 * 3	3 * 1	3 * 1	3 * 2	3 * 2	3 * 2	3 * 2	3 * 1	5 * 2	3 * 3
	Rainfall ...	5 * 1	4 * 3	1 * 2	3 * 3	2 * 1	4 * 2	4 * 2	3 * 1	4 * 2	5 * 1	2 * 4	3 * 2
	Sunshine ...	2 * 1	5 * 2	6 * 1	5 * 2	3 * 1	4 * 1	1 * 2	4 * 1	3 * 2	2 * 2	3 * 2	2 * 1

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

6025/370 Wy. & S., Ltd. 5—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THE WEEK (18th)—April 28th to May 4th, 1907.

DISTRICTS. (See p. 139.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	30	49·2	36·8	42·6	- 2·5	26	- 8	15	+ 5	6	+ 1	1·30	+0·67	27	- 9	25	- 8
Eastern																		
1. SCOTLAND, EAST	58	28	50·9	36·6	43·3	- 2·8	32	- 10	15	+ 5	6	+ 2	0·88	+0·44	27	- 10	25	- 9
2. ENGLAND, N.E.	58	30	51·9	38·7	44·9	- 1·9	34	- 7	9	+ 4	5	+ 2	0·49	+0·08	42	+ 5	40	+ 5
3. ENGLAND, EAST	58	33	53·3	40·0	46·3	- 2·1	39	- 13	6	0	6	+ 3	0·93	+0·54	43	0	42	0
4. MIDLAND COUNTIES	60	30	52·2	38·8	45·1	- 3·2	35	- 19	9	0	6	+ 3	0·57	+0·15	44	+ 5	42	+ 5
5. ENGLAND, SOUTH	57	32	52·5	40·5	46·2	- 3·4	36	- 20	4	+ 2	5	+ 2	0·73	+0·34	41	- 3	40	- 3
Western																		
6. SCOTLAND, WEST	62	30	50·5	38·5	44·1	- 3·3	29	- 15	10	+ 5	7	+ 3	1·68	+1·01	34	- 5	32	- 5
7. ENGLAND, N.W.	57	29	49·8	39·3	44·2	- 3·8	27	- 19	8	+ 5	6	+ 2	1·00	+0·49	32	- 8	31	- 8
8. ENGLAND, S.W.	57	28	51·3	40·6	45·7	- 3·3	32	- 19	4	+ 2	6	+ 2	0·98	+0·44	46	+ 1	45	+ 1
9. IRELAND, NORTH	54	31	50·2	39·6	44·6	- 3·3	28	- 18	7	+ 4	7	+ 3	1·31	+0·72	33	- 5	31	- 4
10. IRELAND, SOUTH	57	30	52·1	40·0	45·7	- 3·7	34	- 20	6	+ 4	6	+ 2	0·71	+0·09	39	- 2	37	- 2
11. ENGLISH CHANNEL	55	39	52·2	44·2	48·0	- 2·7	42	- 19	0	0	6	+ 3	1·01	+0·56	46	- 7	46	- 7

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 9 Weeks, March 3rd to May 4th, 1907.

0. SCOTLAND, NORTH	66	18	*	*	*	*	188	+ 10	173	- 35	48	+ 6	8·87	+1·99	269	+ 12	32	+ 1
Eastern																		
1. SCOTLAND, EAST	66	10	*	*	*	*	241	+ 7	204	- 9	33	- 2	4·47	+0·36	325	+ 53	39	+ 6
2. ENGLAND, N.E.	69	24	*	*	*	*	300	+ 60	154	- 12	32	0	2·99	-0·47	367	+ 97	45	+12
3. ENGLAND, EAST	72	21	*	*	*	*	325	+ 13	138	- 36	33	+ 3	3·82	+0·57	374	+ 68	46	+ 8
4. MIDLAND COUNTIES	71	18	*	*	*	*	354	+ 31	158	- 27	33	+ 4	3·59	-0·03	331	+ 54	41	+ 7
5. ENGLAND, SOUTH	72	20	*	*	*	*	343	+ 12	110	- 9	32	+ 4	4·54	+1·03	390	+ 85	48	+10
Western																		
6. SCOTLAND, WEST	65	23	*	*	*	*	277	+ 34	135	- 18	36	+ 1	8·51	+2·06	295†	+ 10	36	+ 1
7. ENGLAND, N.W.	68	28	*	*	*	*	290	+ 29	123	- 8	35	+ 2	5·28	+0·67	336	+ 54	41	+ 7
8. ENGLAND, SW.	68	20	*	*	*	*	319	+ 2	105	+ 6	37	+ 4	6·33	+1·18	357	+ 29	44	+ 4
9. IRELAND, NORTH	63	26	*	*	*	*	281	+ 4	83	- 41	44	+ 6	7·69	+2·44	269	0	33	0
10. IRELAND, SOUTH	68	27	*	*	*	*	351	+ 12	60	- 32	45	+10	5·51†	-0·23	308	+ 8	38	+ 1
11. ENGLISH CHANNEL	69	29	*	*	*	*	375	+ 1	6	- 24	32	- 2	4·48	+0·21	406	+ 37	50	+ 5

THE YEAR.—Aggregates, &c., for the period of 18 Weeks, December 30th, 1906, to May 4th, 1907.

0. SCOTLAND, NORTH	66	8	*	*	*	*	241	+ 3	508	- 16	96	+ 8	20·95	+4·08	364	+ 16	27	+ 1
Eastern																		
1. SCOTLAND, EAST	66	5	*	*	*	*	310	+ 4	586	+ 16	63	- 7	7·91	-0·96	487	+ 93	36	+ 7
2. ENGLAND, N.E.	69	15	*	*	*	*	375	+ 55	497	+ 30	60	- 5	5·27	-1·58	546	+161	40	+12
3. ENGLAND, EAST	72	10	*	*	*	*	371	- 31	517	+ 4	60	- 4	6·46	-0·24	530	+ 84	38	+ 6
4. MIDLAND COUNTIES	71	10	*	*	*	*	420	- 7	535	+ 14	57	- 5	6·05	-1·72	487	+ 91	35	+ 7
5. ENGLAND, SOUTH	72	16	*	*		*	416	- 33	434	+ 56	54	- 6	7·26	-0·70	548	+109	40	+ 8
Western																		
6. SCOTLAND, WEST	65	16	*	*	*	*	352	+ 18	399	- 3	74	- 1	16·26	+0·80	411†	+ 20	30	+ 2
7. ENGLAND, N.W.	68	15	*	*	*	*	350	- 5	413	+ 31	69	0	9·48	-0·79	482	+ 89	35	+ 7
8. ENGLAND, S.W.	68	5	*	*	*	*	399	- 69	393	+ 95	72	+ 3	11·04	-1·14	514	+ 43	37	+ 3
9. IRELAND, NORTH	63	16	*	*	*	*	374	- 28	291	- 50	87	+ 7	12·80	+1·00	385	- 2	28	0
10. IRELAND, SOUTH	68	11	*	*	*	*	508	- 17	251	- 6	81	+ 8	9·28†	-4·03	437	+ 1	32	0
11. ENGLISH CHANNEL	69	21	*	*	*	*	538	- 55	96	- 13	66	- 9	8·08	-2·10	567	+ 30	41	+ 2

† The corresponding values for last week have been slightly altered owing to receipt of further information.

April 28–May 4, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	49	33	45·6	36·1	40·6	– 2·5	10	21	5	0·93	+ 0·48	36·7	– 1·0	34	– 1
		Stornoway	52	38	50·3	39·6	44·6	– 0·7	28	7	7	1·37	+ 0·79	22·2	– 18·2	21	– 17
	Mainland.	Wick	53	30	50·0	34·1	41·6	– 3·4	22	30	5	0·39	– 0·01	*	*	*	*
		†Lairg (Strathpeffer) ..	57	33	51·7	35·9	43·3	– 0·8	35	17	7	0·87	+ 0·34	27·8	– 8·4	26	– 8
		Glencarron	50	33	47·4	36·1	41·4	– 3·7	15	22	7	2·51	+ 1·39	*	*	*	*
		Fort Augustus	53	35	50·6	37·1	43·5	– 3·1	31	14	6	1·18	+ 0·65	20·9	– 8·1	20	– 8
		Fort William	53	35	48·8	38·6	43·4	– 3·6	24	10	7	1·86	+ 1·11	*	*	*	*
1. SCOTLAND, E.		Nairn	54	35	50·9	37·7	43·9	– 2·5	31	12	7	0·97	+ 0·63	22·9	—	21	—
		Aberdeen	56	32	50·3	37·4	43·5	– 2·5	30	13	7	0·83	+ 0·33	22·8	– 16·8	21	– 16
		†Balmoral (Crathes) ..	? 56	28	50·7	32·7	41·2	– 1·9	24	35	7	0·37	– 0·14	21·0	—	20	—
		†Crieff (Balruddery) ..	58	33	51·9	36·9	44·0	– 3·2	35	14	6	1·84	+ 1·32	32·2	—	30	—
		†Leith (Edinburgh) ..	54	38	51·1	39·9	45·2	– 2·1	31	6	4	0·60	+ 0·25	30·3	– 2·7	29	– 3
		Marchmont	53	30	50·4	34·9	42·2	– 2·9	31	20	5	0·64	+ 0·10	33·5	– 3·2	32	– 3
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	55	32	52·4	38·2	44·9	– 0·7	36	11	6	0·51	+ 0·01	36·2	—	34	—
		†Shields (Newcastle)	55	31	51·1	37·4	43·8	– 2·4	32	13	4	0·39	+ 0·02	33·4	+ 4·5	32	+ 4
		Durham	54	31	50·5	38·1	43·9	– 2·3	30	11	2	0·22	– 0·22	38·6	+ 3·7	37	+ 4
		Scarborough	56	36	51·9	39·9	45·5	– 1·4	33	6	4	0·32	– 0·11	46·8	—	45	—
		York	55	33	52·7	40·0	46·0	– 2·1	36	6	5	0·36	– 0·04	37·3	+ 1·3	36	+ 1
	Southern part.	Spurn Head	54	37	50·9	41·0	45·7	– 1·5	30	3	6	0·93	+ 0·59	*	*	*	*
		†Lincoln (Skegness)	58	30	53·4	36·8	44·6	– 4·5	40	15	5	0·55	+ 0·17	45·2	—	44	—
		†Fulbeck (Rauceby)	55	30	52·1	38·1	44·7	– 3·8	35	11	5	0·65	+ 0·25	50·3	—	48	—
3. ENGLAND, E	Northern part.	Hillington	57	35	53·4	39·8	46·2	– 2·1	39	6	5	1·42	+ 1·00	45·2	+ 4·2	44	+ 4
		†Yarmouth (Lowestoft) ..	57	37	51·3	41·0	45·8	– 1·4	31	3	6	1·28	+ 0·91	43·2	—	42	—
		Geldeston	58	33	53·9	39·5	46·3	– 1·7	41	7	6	0·98	+ 0·61	41·1	– 2·2	40	– 2
		(Cromer)												42·4	—	41	—
	Southern part.	Cambridge	58	33	53·9	39·0	46·0	– 3·2	41	8	6	0·58	+ 0·20	37·3	– 4·3	36	– 4
		Felixstowe	58	37	53·4	41·1	46·9	– 1·9	38	3	5	1·11	—	44·6	—	43	—
		Clacton-on-Sea	57	34	53·0	39·9	46·1	– 3·0	38	6	6	0·97	—	46·1	—	45	—
		Rothamsted	56	33	53·0	38·3	45·2	– 2·8	38	10	6	0·91	+ 0·48	49·2	+ 9·4	48	+ 9
		Shoeburyness	58	34	54·0	40·7	47·0	– 2·8	40	4	5	0·55	+ 0·26	*	*	*	*
		London, Westminster	58	35	53·6	40·7	46·8	– 3·2	39	4	5	0·54	+ 0·17	39·2	+ 7·0	38	+ 7
		(Dunmow)												42·9	—	42	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	53	33	50·2	37·5	43·5	– 2·8	29	13	6	0·50	+ 0·04	44·9	—	43	—
		†Bawtry (Worksop)	60	34	54·3	39·0	46·2	– 2·0	42	8	4	0·52	+ 0·13	42·4	+ 7·7	41	+ 7
		Nottingham	56	34	52·3	39·6	45·6	– 3·1	35	7	5	0·44	+ 0·04	48·4	—	47	—
		Birmingham, Edgbaston ..	56	34	51·4	38·8	44·7	– 3·3	32	9	6	0·49	+ 0·02	33·4	—	32	—
		Oxford	56	33	53·3	39·1	45·8	– 3·4	39	8	5	0·44	+ 0·04	40·5	+ 0·6	39	+ 1
	Western part.	†Cheadle (Sheffield)	53	30	49·4	36·5	42·6	– 4·0	27	15	6	0·56	+ 0·07	49·6	—	48	—
		Shrewsbury	55	34	52·4	39·7	45·7	– 2·5	36	6	6	0·69	—	*	*	*	*
		Hereford	57	31	53·9	39·6	46·3	– 2·2	40	7	7	0·54	+ 0·10	*	*	*	*
		Cirencester	54	31	51·8	37·3	44·1	– 3·7	34	13	6	0·62	+ 0·15	45·9	+ 4·7	45	+ 5
		Bath	57	33	53·3	41·0	46·8	– 3·2	38	3	7	0·86	+ 0·39	47·0	—	46	—
		(Margate)												37·2	– 3·5	36	– 3
5. ENGLAND, S.		Kew	57	35	53·3	41·0	46·8	– 2·5	38	3	6	0·57	+ 0·19	43·7	+ 3·5	42	+ 3
		Wisley, Surrey	57	33	53·5	39·9	46·3	– 3·2	39	6	5	0·47	—	38·4	—	37	—
		†Swarratou (Ventnor) ..	57	32	52·3	39·5	45·5	– 2·0	35	7	5	0·55	+ 0·10	47·5	+ 0·6	47	+ 1
		Tunbridge Wells ..	55	33	52·4	38·2	44·9	– 3·2	36	11	5	1·02	+ 0·59	37·5	– 4·7	36	– 5
		†Dungeness (Littlestone) ..	55	34	51·4	40·6	45·7	– 3·3	32	4	5	0·79	+ 0·50	34·2	—	34	—
		Hastings	54	35	51·9	40·4	45·8	– 3·4	33	4	5	0·81	+ 0·43	37·6	– 9·1	37	– 9
		Southampton	57	35	54·8	41·5	47·8	– 2·4	43	1	7	1·23	+ 0·79	45·5	+ 1·0	45	+ 1
		†Portland Bill (Worthing) ..	53	38	50·6	42·6	46·4	– 3·3	31	0	4	0·40	—	42·7	—	42	—
		(Eastbourne)												40·2	– 5·8	39	– 6
6. SCOTLAND, W.		†Laudale (Oban)	53	36	50·0	38·3	43·8	– 3·9	28	10	7	3·08	+ 2·18	27·6	—	26	—
		Glasgow	54	37	49·2	39·5	44·1	– 2·9	25	7	6	1·30	+ 0·77	29·1	– 4·6	28	– 4
		Dumfries	62	31	53·1	38·1	45·2	– 2·2	39	11	7	1·72	+ 1·15	*	*	*	*
		Cally	60	30	50·9	36·6	43·3	– 3·9	32	15	7	1·49	+ 0·85	*	*	*	*
		Douglas, Isle of Man	52	36	49·1	39·8	44·2	– 3·1	25	6	7	0·81	+ 0·27	45·3	– 1·6	43	– 2
7. ENGLAND, N.W.		Aspatria	55	31	49·3	38·1	43·4	– 3·8	26	11	7	1·72	+ 1·32	20·1	—	19	—
		Newton Rigg	54	29	48·6	35·6	41·7	– 4·6	18	24	7	1·34	+ 1·37	22·3	– 17·7	21	– 17
		Stonyhurst	50	32	47·6	38·4	42·7	– 4·5	20	10	6	0·87	+ 0·28	23·8	– 15·8	23	– 15
		Blackpool	52	32	49·2	40·5	44·6	– 3·6	25	4	6	0·88	+ 0·45	41·1	+ 0·1	39	0
		Manchester, Prestwich ..	54	29	50·2	35·8	42·6	– 5·0	30	17	7	1·03	+ 0·52	27·7	– 6·5	27	– 6
		†Liverpool Obs. (Hoylake) ..	55	36	50·3	39·9	44·8	– 4·1	28	6	6	0·45	+ 0·07	48·6	—	47	—
		†Hawarden Bridge (Southport)	57	35	51·8	40·8	46·0	– 3·0	33	3	6	0·38	+ 0·07	45·8	+ 2·1	44	+ 2
	NORTH WALES	Llandudno	54	38	50·8	41·1	45·7	– 3·4	30	3	6	0·54	+ 0·13	41·9	+ 0·4	40	0
		†Holyhead (Aberdovey) ..	53	37	50·1	40·9	45·2	– 3·5	27	3	6	0·81	+ 0·38	31·5	—	31	—
		Bettws-y-Coed	52	40	49·9	41·4	45·4	– 3·1	26	2	7	1·45	—	28·9	—	28	—
8.	SOUTH WALES	Llangammarch Wells	53	28	50·0	38·0	43·6	– 3·6	28	11	6	1·06	—	41·8	—	41	—
		Pembroke	51	39	49·0	40·9	44·7	– 3·3	24	3	5	0·53	+ 0·10	41·1	– 4·8	40	– 5
		†Cardiff (Aberystwyth)	57	33	52·8	40·5	46·3	– 3·6	36	4	6	1·02	+ 0·46	27·0	—	26	—
	ENGLAND S.W.	Clifton	55	34	52·6	41·7	46·8	– 3·1	35	1	5	0·80	+ 0·29	46·2	—	45	—
		†Shaftesbury (Marlborough)	53	32	50·7	39·0	44·5	– 3·2	30	8	6	0·54	+ 0·02	41·6	+ 4·0	40	+ 4
		†Arlington (Newquay)	52	35	49·7	39·1	44·1	– 3·6	27	8	6	1·87	+ 1·22	49·5	+ 4·5	49	+ 4
		Cullompton	56	33	53·6	41·3	47·1	– 2·7	39	2	6	0·83	+ 0·31	52·3	+ 11·7	51	+ 12
		Plymouth	55	38	52·4	42·5	47·2	– 3·4	36	0	7	0·94	+ 0·46	55·3	+ 10·9	54	+ 11
		Falmouth	54	39	51·1	42·8	46·7	– 3·0	33	0	6	1·19	+ 0·62	53·6	+ 5·9	53	+ 6
		(Torquay)												54·3	+ 7·8	53	+ 8
9. IRELAND, N.	Western part.	Malin Head	50	37	48·0	40·0	43·8	– 3·5	21	6	7	1·24	+ 0·80	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	54	37	50·4	41·3	45·6	– 3·2	28	2	6	1·33	+ 0·69	*	*	*	*
		Markree Castle	54	34	50·8	39·7	44·9	– 2·6	30	6	7	2·04	+ 1·48	33·3	– 5·3	32	– 5
	Eastern part.	Armagh	54	31	51·3	37·2	43·8	– 4·1	33	13	7	1·11	+ 0·64	31·9	– 5·8	30	– 6
		Donaghadee	53	36	50·6	39·9	44·9	– 2·9	29	6	7	0·82	+ 0·36	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	57	34	53·7	39·7	46·3	– 3·2	40	6	6	0·51	+ 0·07	48·0	+ 5·0	46	+ 5
		Kilkenny	56	30	52·0	38·7	45·0	– 3·9	35	9	6	0·52	+ 0·03	*	*	*	*
		Waterford	55	33	52·9	38·4	45·2	– 3·4	38	10	5	0·39	– 0·15	*	*	*	*
	Western part.	Birr Castle	56	31	51·6	38·4	44·6	– 3·9	33	10	6	0·92	+ 0·43	35·7	– 3·1	34	– 3
		Foynes	55	35	51·2	40·5	45·5	– 3·7	31	4	6	0·77	+ 0·23	*	*	*	*
		Killarney	57	37	52·9	39·9	46·0	– 3·4	37	6	7	1·26	+ 0·54	*	*	*	*
		Valencia	53	39	50·6	42·4	46·3	– 3·7	30	0	7	0·96	+ 0·18	33·6	– 8·9	33	– 9
		†Roches Point (Ballinacurra) ..	55	39	51·7	42·1	46·6	– 3·5	32	0	7	0·36	– 0·27	37·4	—	36	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	53	43	51·4	44·4	47·7	– 2·6	40	0	5	0·69	+ 0·26	48·1	+ 0·6	47	+ 1
		†Jersey, St. Aubins (St. Heliers)	55	39	52·7	44·0	48·1	– 3·0	43	0	6	1·27	+ 0·79	41·3	– 8·8	41	– 9
		Guernsey	54	41	52·5	44·3	48·2	– 2·1	43	0	6	1·07	+ 0·57	49·7	– 1·8	49	– 2

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 40·7 hrs., 40 %; Brighton, 38·8 hrs. (– 6·1), 33 % (– 6 %); Bournemouth, 51·3 hrs., 50 %; Bognor, 44·4 hrs., 44 %; Rhyl, 42·4 hrs., 41 %; Tenby, 32·7 hrs. (– 13·9), 32 % (– 14 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	43·5
	Crathes	2	27	44·9	43·6
	Balmoral	3	23	—	—
	Marchmont ..	—	—	44·6	—
2.	Cockle Park	2	27	44·4	44·6
	York	—	—	47·1	45·9
	Hull	1	26	45·6	44·9
	Lincoln	—	—	46·7	46·0
3.	Lowestoft	—	—	47·6	46·8
	Cambridge	1	30	48·0	48·1
	Dunmow	1	29	—	—
	Clacton-on-Sea ..	1	29	47·5	48·4
4.	Harrogate	2	27	45·0	45·0
	Sheffield	2	28	45·4	44·0
	— — ..				
	Birmingham	2	22	43·8	45·1
	Nottingham	1	27	45·3	45·0
	— — ..				
5.	Kew	1	24	47·7	47·9
	Canterbury	0	32	47·4	48·6
	Portsmouth	0	33	50·2	50·0
	Wisley	—	—	47·3	47·9
6.	— — ..				
	Glasgow	1	30	—	—
	— — ..				
7.	Newton Rigg ..	3	17	45·9	44·6
	Southport	1	23	49·4	48·0
	Manchester City ..	1	29	45·3	46·1
	Bettws-y-Coed ..	0	33	46·0	46·0
	— — ..				
8.	Llangammarch Wells	1	19	47·0	46·1
	Bath	—	—	50·0	49·0
	Plymouth	0	32	50·2	—
	— — ..				
9.	Armagh	2	28	48·7	47·5
	Markree Castle ..	1	29	—	—
10.	Dublin, Trin. Coll. ..	1	30	48·2	48·0
11.	Guernsey, Brooklyn	0	35	50·2	50·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	44	44·6
	Kirkwall	47	44	45·5
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	48	44	45·3
	Pennan Bay	46	44	45·0
	Aberdeen, Cove Bay ..	48	45	46·2
ENGLAND, N.E.	Burnmouth, Berwick ..	45	42	43·6
	Scarborough	50	43	45·0
ENGLAND, E.	Shipwash Lightship ..	46	44	45·1
	Margate‡	49	47	48·3
ENGLAND, S.E.	Eastbourne‡	48	47	47·7
SCOTLAND, W.	Lamlash	46	45	45·3
	Ballantrae	48	46	47·2
ENGLAND, N.W.	Port Erin	48	46	46·4
ENGLAND, S.W.	Newquay	51	51	51·0
	Plymouth‡	50	49	49·1
	Salcombe	49	47	48·4
IRELAND, N.W.	Sheephaven	48	48	48·0
	Ballyglass	52	44	48·3
IRELAND, S.W.	Cleggan	52	47	48·9
	Seafield	53	45	49·2
IRELAND, E.	Kingstown‡	47	47	46·9

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

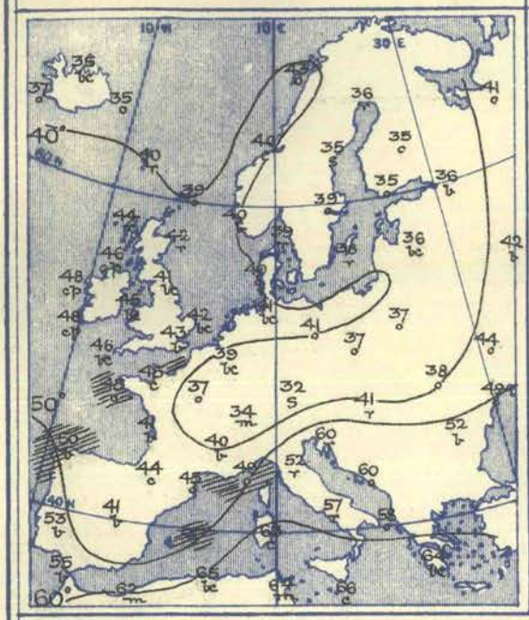
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

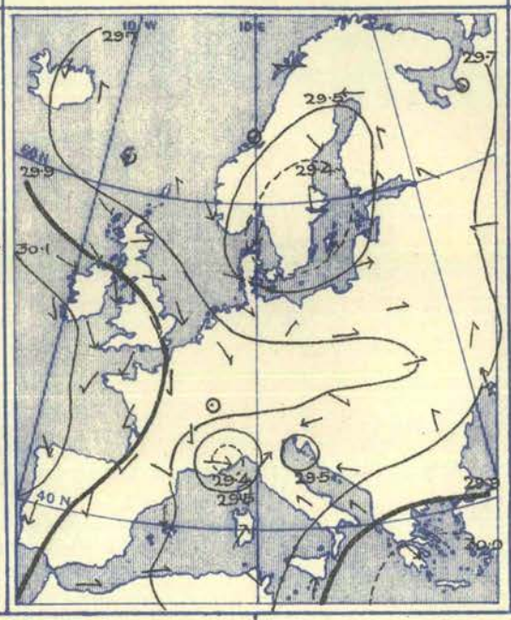
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 28th April, 1907.

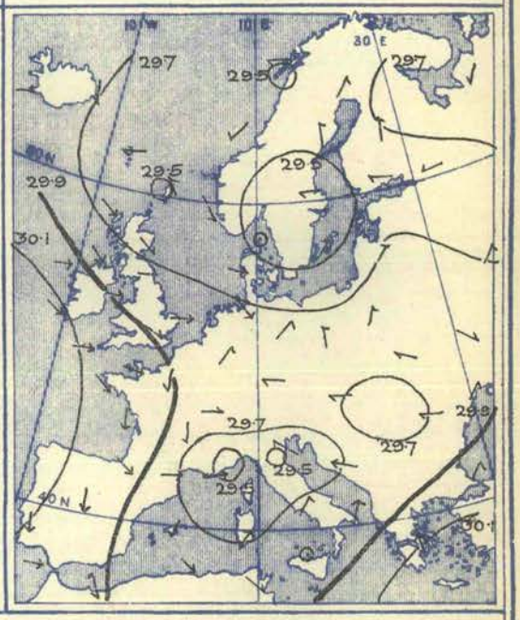
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of England and in the extreme south of our area, overcast in nearly all other regions, with occasional rain in the north and north-west of these Islands, rain or snow in various parts of northern and central Europe, and rain at several stations in Italy and the north-east of Spain. Rain falling later over the greater portion of the United Kingdom and also over large districts in most Continental countries, as well as in Algeria. Amounts heavy in Italy and in Little Russia, and also in the south of Sweden.

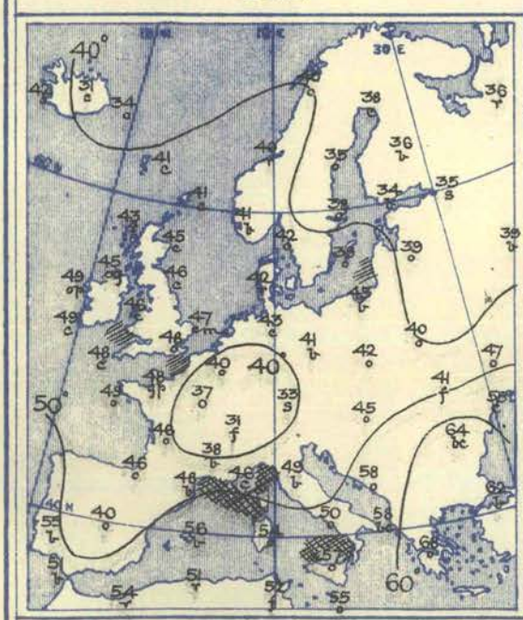
Temperature fallen in most places, risen in Greece and the south of Italy. Readings in morning below 40° over the major portion of the Continent, only a little above it over these Islands and the south of France, and no higher than 46° at Barcelona. Above 60° in the far south of our area. Maxima during day about 50° in this country, the north of France, Germany and Austria, but above 70° at Constantinople, in Greece, Malta, and Sicily, and as high as 82° at Tunis.

Wind in morning light to moderate from North-West or North at most of our own stations, and Northerly over nearly the whole of France and the Spanish Peninsula. Cyclonic circulations shown over Italy and its vicinity and also over Scandinavia; fresh or strong in one or two exposed places, but moderate or light generally. Little change during day either in direction or force, but backing somewhat over England.

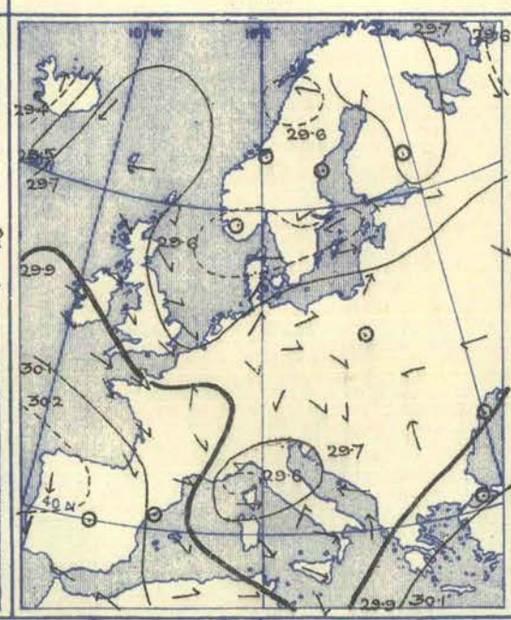
Barometer in morning above 30·1 ins. beyond our south-west coasts, and not much lower in the extreme south-east of our area. Below 29·5 ins. in a complex depression over the north of Italy and its neighbourhood, and below 29·4 ins. in another system over southern Scandinavia. Relatively low between Iceland and Norway. Very slight modification taking place in the general distribution of pressure during day.

Monday, 29th April, 1907.

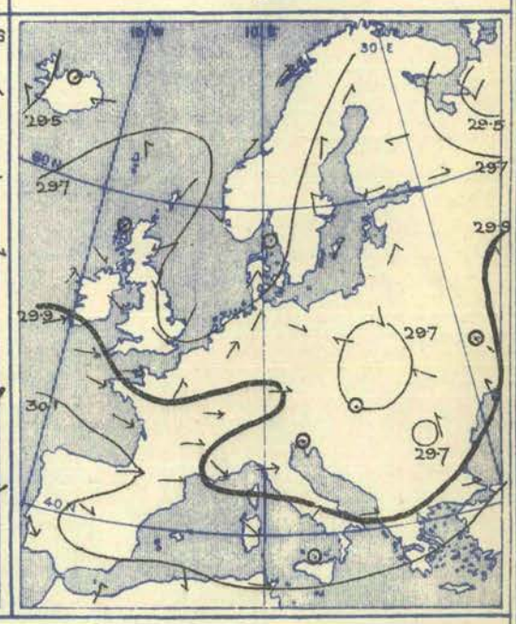
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Iberian Peninsula and in a few other localities, but very cloudy or overcast as a whole; rainy at some of our own stations, at Le Mans, Christiansund, and Archangel, and rain or snow falling in some parts of central Europe. Various quantities of rain experienced later at most stations in these Islands and in several localities on the Continent, largest amounts 0·47 in. at Prague and 0·51 in. at Biarritz.

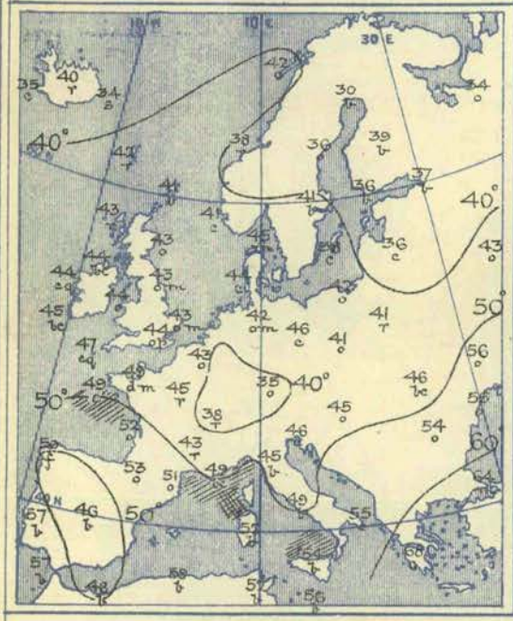
Temperature little changed generally, but risen in the United Kingdom and in Greece. Readings in morning ranging from 68° at Patras and 62° at Constantinople, to a little below 50° on our south and west coasts, to below 40° in many continental regions, and to 31° at Belfort. Rising during day to 82° at Patras, 77° at Athens, and to 79° at Hermanstadt. Maxima not so high as 60° over our area as a whole, and less than 50° at some Austrian stations and also in the north-east of Great Britain.

Wind in morning light to fresh from the North-Westward over these Islands, high from the Westward or North-Westward at Sanguinaire and Cape Sicié, and from South at Brindisi. A fresh or strong Southerly breeze blowing in Iceland. Backing towards South-West on the west coast of Ireland by evening, but little change over our area generally.

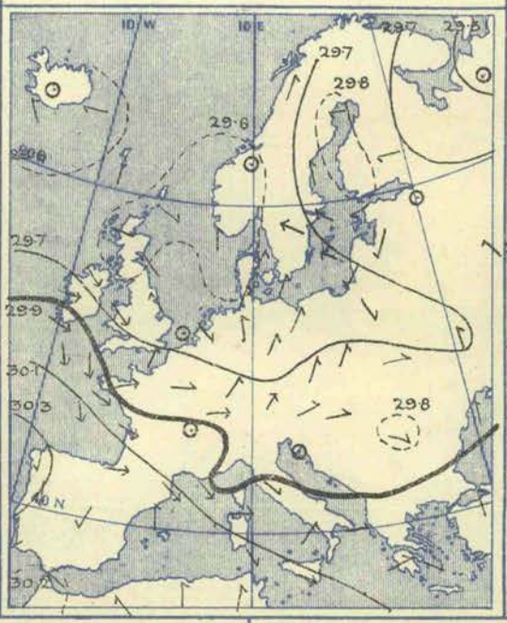
Barometer in morning above 30·2 ins. over the west of Spain and the adjacent portion of the Atlantic, and above 30·1 ins. in Asia Minor. Below 29·6 ins. in a depression over the Gulf of Genoa and in another disturbance extending from the North Sea to Stockholm, and less than 29·4 ins. over the west of Iceland. Gradients steepest over the south-east of France. Southern depression becoming less deep by evening. A gentle fall of the barometer occurring during day along our western coasts and a rise in Iceland.

Tuesday, 30th April, 1907.

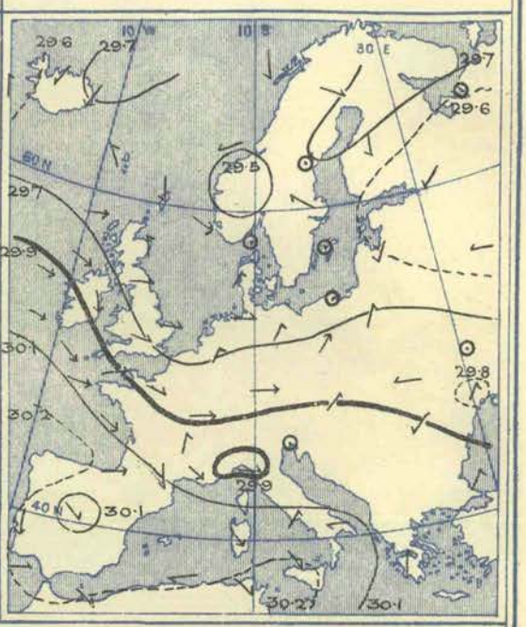
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy or showery in many parts of France and these Islands, and also at Aix-la-Chapelle. Fair or fine in most other regions, but overcast in places, and snow falling at Turin and either rain or snow in Iceland and at Thorshavn and Christiansund. More or less precipitation experienced later except in the far south and south-west. About half an inch at some stations in the east of Great Britain and as much as 1·6 in. at La Hève.

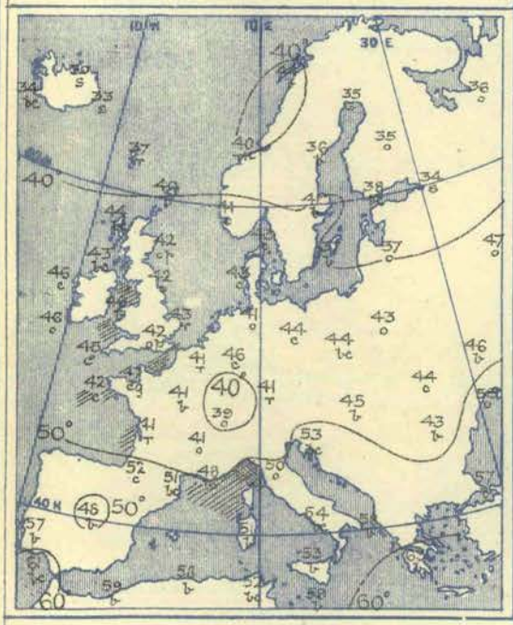
Temperature fallen over these Islands, risen somewhat over France and Germany. Readings in morning a little above 40° over the major portion of our area, above 50° in the south, and as high as 64° and 68° respectively at Constantinople and Patras. Below 40° in Iceland and the north-east of Europe, and as low as 30° at Haparanda. Maxima during day above 70° at some stations in the extreme south and south-east, and 79° at Patras. Thermometer remaining below 50° in most parts of our Islands and only rising a little higher over a large portion of France.

Wind in morning mainly North-Westerly over the United Kingdom and the south-western half of the Continent; fresh or strong in many places and high at Malta. Light and rather variable elsewhere, but chiefly South-Easterly to Easterly in the north and north-east. No general change later in day, but Westerly wind becoming high at Stornoway.

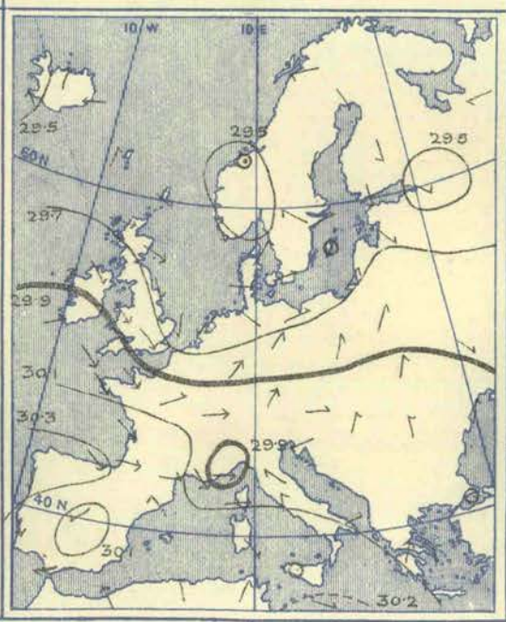
Barometer in morning above 30·3 ins. in the north-west of Spain. Below 29·6 ins. in an irregular shaped area covering the eastern half of the North Sea, most of Scotland, and the west of Denmark and Norway, and in another low over Iceland, and less than 29·5 ins. in a depression in the far north of Russia. Changes rather slight later and little modification taking place in the general distribution of pressure. Barometer rising slightly in the west, and falling about a tenth of an inch in the east, of Great Britain.

Wednesday, 1st May, 1907.

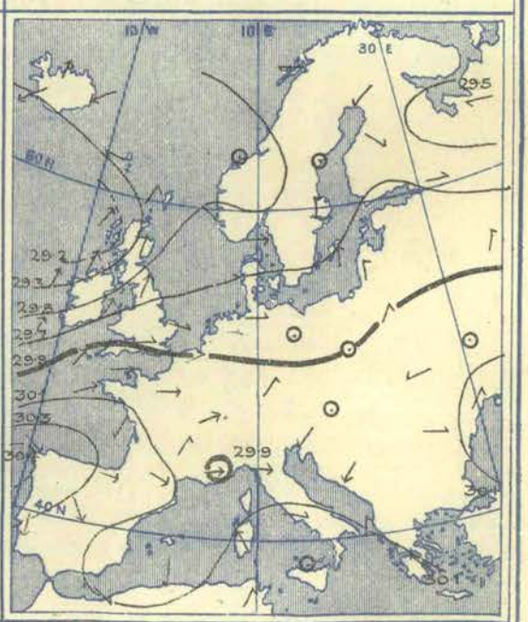
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy in several parts of these Islands, the Netherlands, and central Europe, as well as Rochefort, Oporto, and Rome, and snow falling at St. Petersburg. Fair or fine in most other regions, but general condition not at all settled. Rain experienced later in all parts of the United Kingdom and in various places over the northern half of the Continent and in some Italian localities.

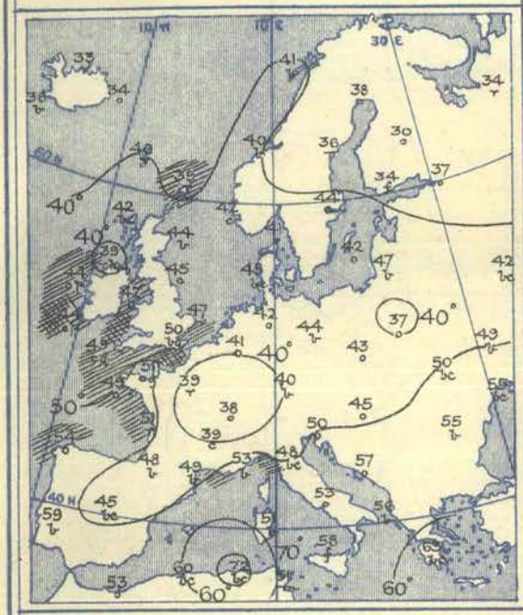
Temperature low for the time of year in nearly all places. Readings in morning below 40° in the north-east of our area and also at some French stations, and not much above that value over our area as a whole, but increasing to above 50° in the Mediterranean region, and to 61° and 63° respectively at San Fernando and Patras. Rising during day to 70° at Madrid and a little higher in Greece and Algeria, but remaining below 60° in nearly all parts of central Europe and France, and below 55° at nearly all our own stations.

Wind in morning showing several partial or complete cyclonic circulations. Moderate to strong from the North-Westward over Great Britain and moderate from the Westward or South-Westward in Ireland. Light or moderate at most stations on the Continent, but strong in the south of France and at Leghorn. Backing towards South in this country later and increasing greatly in force; becoming very strong or high on our south-west, west, and north-west coasts by evening. Attaining the force of a gale in many places.

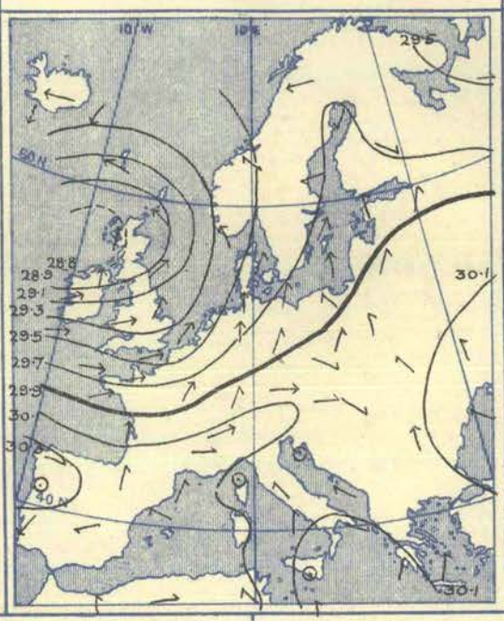
Barometer in morning ranging from above 30·3 ins. in the north-west of the Spanish Peninsula to below 29·9 ins. in a depression over Lombardy, and to below 29·5 ins. in two other systems over northern Europe, and also over the west of Iceland. Pressure giving way quickly later on our west and north-west coasts, and a very extensive and deep cyclonic system spreading over our Islands from the Atlantic. Pressure continuing high over the north-west of Spain and rising somewhat over the Black Sea region.

Thursday, 2nd May, 1907.

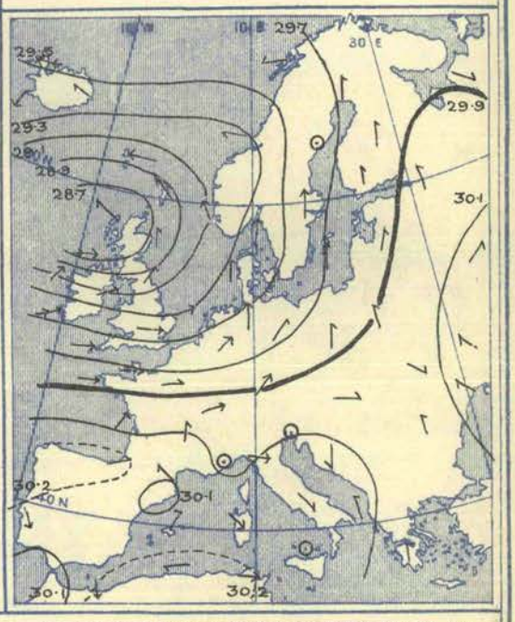
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled and stormy over the United Kingdom and its neighbourhood; fair or fine over the greater portion of southern and eastern Europe, but overcast in places and rain falling at Sanquinaire and also at Archangel. Rain falling generally later over these Islands, Germany, the Low Countries, and the west and north of France, and also in a few southern districts. As much as 0·6 in. at Paris and 0·9 in. at Le Mans and Charleville.

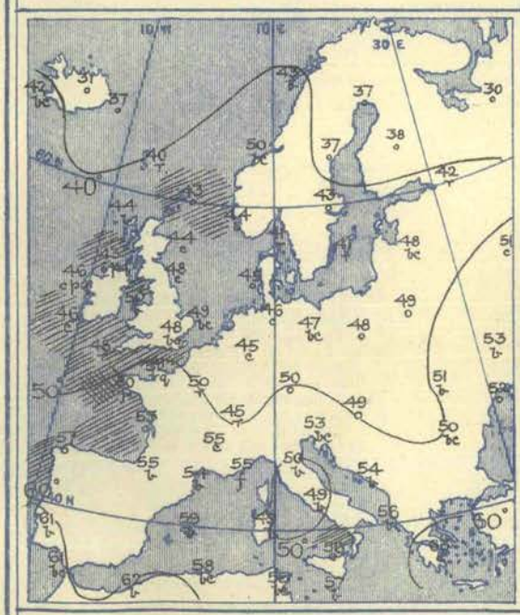
Temperature changed little and rather irregularly. Readings in morning ranging from 72° at La Calle and about 60° at some other southern stations, to below 45° in most other regions and to less than 35° in the north-east of our area and in Iceland. Thermometer rising to above 70° during day in Greece, the south-west of the Spanish Peninsula, and at La Calle and to 60° or above in the south as a whole. Maxima low over the northern and central countries. Only a little above 50° in these Islands, the north of France, and Germany.

Wind in morning fresh or strong to a gale from between West and South-West over this country and France, strong from the Southward over the North Sea and from the Eastward over the Icelandic region. Light airs from no general direction over the Mediterranean and eastern Europe. Very little change taking place in our Islands and their vicinity, but Southerly current increasing to a gale at Skudesnaes, and to a strong breeze over the south of Sweden.

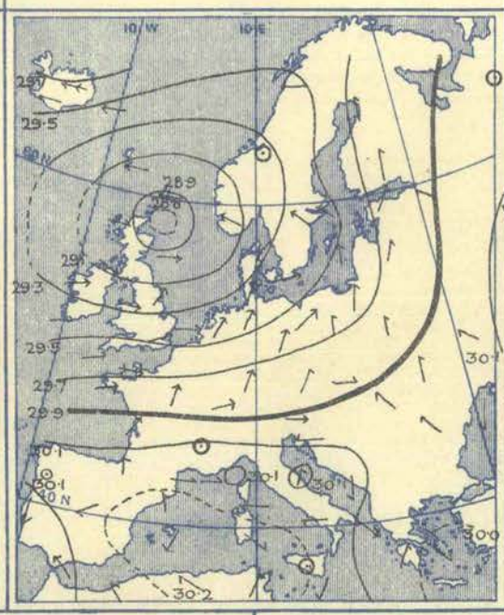
Barometer in morning above 30·3 ins. over the north-west of Spain and above 30·2 ins. in the south-east of our area; below 29·5 ins. in the extreme north of Russia and less than 28·8 ins. in a very large disturbance having its centre some distance to the west of Scotland. Gradients steep or rather so over the whole of this country and the regions immediately surrounding. Depression travelling eastwards during day and barometer falling to 28·62 ins. at Nairn by 6 p.m. Gradient increasing over the north-western and western countries and also between Iceland and Scotland.

Friday, 3rd May, 1907.

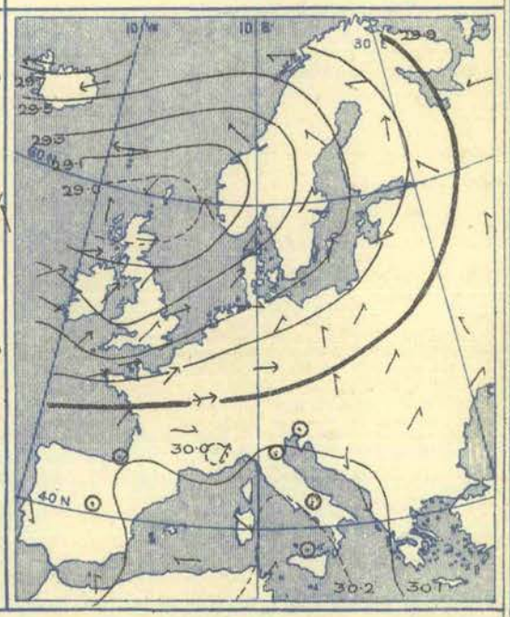
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. continuing very unsettled and stormy over the British Isles and their neighbourhood, and fair or fine over the south and south-east of Europe. Overcast over Scandinavia and Finland, with rain in several places. Rain experienced later in nearly all parts of these Islands and at most places over the more northern countries of the Continent. Amounts heavy in the Low Countries, the north of France, and at Aix-la-Chapelle.

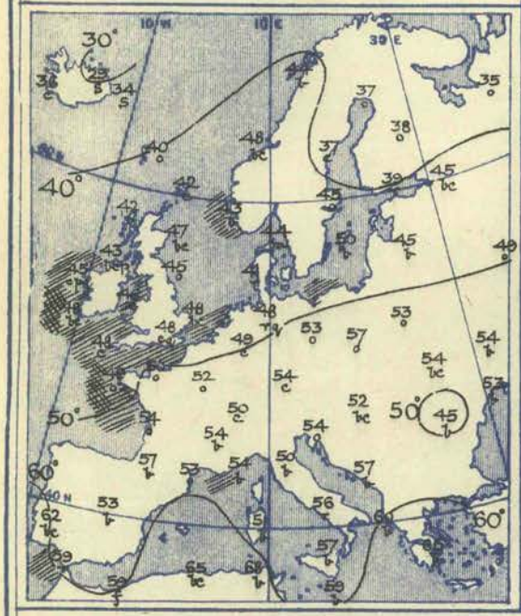
Temperature in morning about 60° in a few of the most southern localities, but below 50° as a whole, and less than 40° at most stations in Iceland and the north of Russia. Lowest reading, 30° at Archangel. Maxima in this country mostly below 56°, but thermometer rising to above 60° in the more southern regions of Europe and to above 70° in some localities Highest readings 79° at Lisbon and Madrid.

Wind in morning showing a complete cyclonic circulation over the north-western countries. Westerly current strong or high in most parts of these Islands and the north of France, and blowing a gale at Jersey and La Hève. South-Westerly wind strong or high over the North Sea, and Easterly current high at Thorshavn. No general change later, but some decrease in force over England.

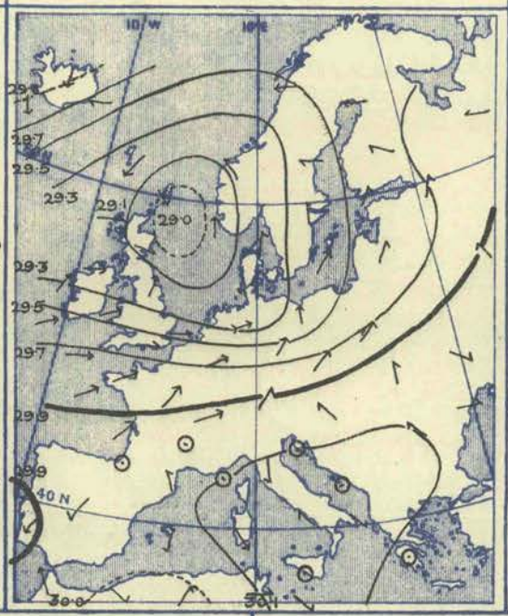
Barometer in morning above 30·2 ins. over Algeria and the adjacent part of the Mediterranean as well as in the south of Russia. Below 28·8 ins. in a very large cyclonic system having its minimum off the north-east coast of Scotland. Latter system remaining stationary during day, but becoming rather less deep. A secondary depression appearing over the St. George's Channel. Scarcely any modification taking place in the general distribution of pressure over our area.

Saturday, 4th May, 1907.

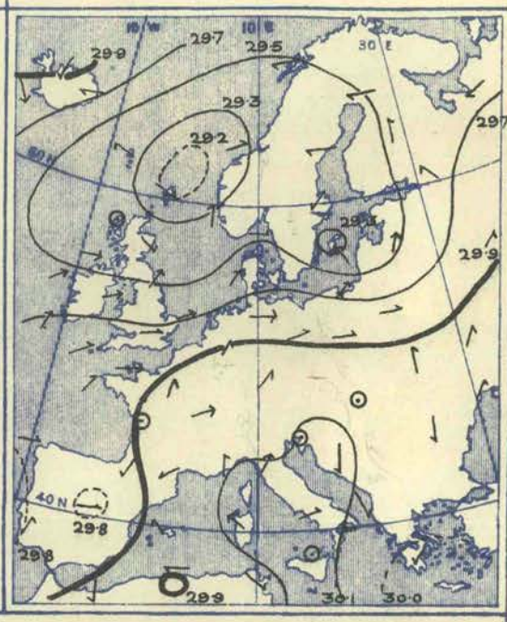
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but a good deal of cloud prevailing over the northern districts, with showers in Ireland, rain in the north of Finland, Denmark, North Germany, and snow in Iceland. Some rain falling later in Ireland and Scotland, and larger quantities in various Continental localities, as much as 0·7 in. at Lisbon.

Temperature showing no decided change. Readings in morning below 40° in Iceland and the extreme north-east of our area, and below 50° at almost all our own stations; above 55° at several stations in central and southern Europe, and above 60° in places. Thermometer rising to 90° during day at Algiers, 82° at Madrid, 79° at Patras, and to above 70° in many other southern districts, as well as at some stations in central Europe. Maxima below 60° over these Islands and the north of France.

Wind in morning showing a very extensive cyclonic circulation over all the north-western countries. Westerly current strong or fresh over Ireland and England, and strong to a gale on the coast of the Netherlands and at the mouth of the Elbe. Light and rather variable breezes prevailing over the Mediterranean region. Decreasing in force over the United Kingdom and its vicinity during day, but increasing to a gale on the German Baltic coasts.

Barometer in morning above 30·1 ins. over Italy and the surrounding regions, and relatively low in the south of Russia and to the south-westward of Portugal. Below 29·0 ins. in a depression having its minimum between Scotland and Norway. Latter system becoming less deep by evening, but another minimum forming over Gothland and gradients growing steep over the Baltic region. Pressure decreasing rather briskly over the Spanish Peninsula and the south-west of France and rising rather decidedly in Iceland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ➳ = a heavy gale; ➛ = a gale; → = a fresh to strong breeze, ⇀ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
April 29th, 10.50 a.m. to 12.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	49°	43°	34°	24°	15°			One kite, 77 sq. ft.; 7,400 ft. wire. Max. height, 6,000 ft. Lower clouds, 4,300 ft. Upper clouds not reached. Steady, but increasing wind.
		Humidity	70%	85%	98%	100%	100%			
		Wind Velocity, m. per hr.	WNW, 11	NW, 30	NW by N, 38	NW by W, 43	NW by W, 46			
April 30th, 2.50 p.m. to 3.24 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	39°	30°					One kite, 54 sq. ft.; 3,600 ft. wire. Kite drawn in to avoid approaching squall. Wind backed three points, and temp. fell 5° during the ascent.
		Humidity	90%	95%	100%					
		Wind Velocity, m. per hr.	WNW, 19	NW, 30	NW by N, 40					
May 1st, 10.50 a.m. to 12.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	47°	41°	30°	23°				Two kites, 110 sq. ft.; 9,000 ft. wire. Max. height, 5,200 ft. Lowest temp., 22° at 4,500 ft. at 11.40 a.m. Wind decreasing during the ascent. Clouds at 3,300 ft. Overcast. Sunny afternoon.
		Humidity	75%	85%	100%	85%				
		Wind Velocity, m. per hr.	WNW, 16	NW by W, 30	NW, 30	NW by N, 30				
May 2nd.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								A kite reached 1,600 ft. at 11.30 a.m., but without instruments. Velocity estimated from pull on wire. The other values are from cloud observations at 10.0 a.m. and 12.30 a.m.
		Humidity								
		Wind Velocity, m. per hr.	WSW, 25	WSW, 45			WSW, 55	WSW, 60		
May 2nd, 2.33 p.m. to 2.41 p.m.	Ditcham Park, Petersfield. 650 ft.	Temperature F.								Pilot balloon. Uniform ascensional velocity of 500 ft. per minute assumed.
		Humidity								
		Wind Velocity, m. per hr.	W ½ S, 12	W by S, 29	W ½ S, 44					
May 3rd, 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	43°						When 1,300 ft. of wire had run out the kite began to dive, and was drawn in.
		Humidity	70%	70%						
		Wind Velocity, m. per hr.	SW, 23	SW, 40						
May 4th, 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								From rate of shadows and angular velocity.
		Humidity								
		Wind Velocity, m. per hr.	W by S, 24			W by S, 55	W by S, 55			
May 4th, 5.30 p.m. to 6.40 p.m.	Brighton, 380 ft.	Temperature F.	46°	38°						One kite, 50 sq. ft.; 5,000 ft. wire. Max height, 2,300 ft. No change of temp. above 1,660 ft. Sky clear.
		Humidity	85%	65%						
		Wind Velocity, m. per hr.	W, —	W by N, 20						

63, Victoria Street, London, S.W. *May 8th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 19. NINETEENTH WEEK, ENDING SATURDAY, MAY 11TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was generally cloudy or overcast, but very considerable intervals of sunshine were experienced in the south and east of England. Falls of rain were rather frequent in most districts and thunderstorms occurred at times in several English and Scottish districts. A thunderstorm also passed over Dublin on Monday.

Temperature differed little from the average in Ireland, but was decidedly above it elsewhere, the excess amounting to 4·5° in the Midland Counties, and about 5° in England E. and N.E. As a general rule the highest of the maxima were recorded on the 11th. In England E. (at Hillington) the thermometer rose to 80° and in England N.E. to 79°; in Scotland N. the highest reading was 65°, and in Ireland 63°. (At Gt. Billing, Northampton, the maximum on Saturday was as high as 83·5°). The lowest of the minima, which were mostly recorded on the 5th, ranged from 27° in Scotland E. and 32° in England E. and in Ireland, to 38° in Scotland W., and to 44° in the Channel Islands.

Mean Temperature of the Sea.—There was a very general increase in the warmth of the water on all parts of the coast, amounting in many places to more than a degree. The actual values ranged from 51·6° at Newquay and 50·9° at Seafield to 46° or rather less on most parts of our north and north-east coasts, and to 44° at Wick.

Rainfall exceeded the average except in Scotland E. and England E. and N.E.; in the western districts the excess was large.

Bright Sunshine was just equal to the average in England S., and above it in England E.; elsewhere, however, there was a deficiency. The percentage of the possible duration ranged from 53 in England E. and 45 in England S. to 24 in Scotland W., and to 21 in England S.W.

Barometer and Wind.—During the whole of the period pressure was relatively low in depressions which moved northwards from the Bay of Biscay to the western districts of these Islands and the adjacent portion of the Atlantic, while the winds were mainly from the Eastward or South-Eastward, and, as a rule, moderate to fresh in force. By the end of the period the distribution of pressure had become modified, and the wind current over the United Kingdom and western Europe generally was almost due south.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 148.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Scanty	Scanty	Very scanty	Moderate	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 10 weeks from Mar. 3rd, 1907.	Warmth ...	3 * 3	3 * 3	5 * 3	4 * 1	4 * 1	4 * 2	4 * 2	4 * 2	4 * 2	3 * 1	5 * 2	4 * 3
	Rainfall ...	5 * 1	4 * 3	1 * 2	3 * 4	2 * 1	4 * 2	5 * 2	4 * 1	5 * 2	6 * 1	3 * 4	4 * 2
	Sunshine ...	2 * 1	5 * 2	6 * 1	6 * 2	3 * 1	4 * 1	1 * 3	4 * 2	3 * 3	2 * 2	3 * 3	2 * 2

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 147.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
THE WEEK (19th)—May 5th to 11th, 1907.																		
0. SCOTLAND, NORTH	65	35	56·0	43·2	49·2	+ 3·2	50	+ 11	0	- 8	5	+ 1	0·66	+0·05	32	- 6	29	- 6
Eastern																		
1 SCOTLAND, EAST	67	27	57·4	43·2	49·9	+ 2·7	55	+ 9	0	- 8	5	+ 2	0·40	-0·05	33	- 8	30	- 7
2. ENGLAND, N.E.	79	33	61·6	45·1	52·9	+ 5·2	76	+ 31	0	- 4	5	+ 2	0·34	-0·08	37	- 3	34	- 3
3. ENGLAND, EAST	80	32	63·1	46·5	54·3	+ 4·8	86	+ 28	0	- 4	3	0	0·20	-0·19	57	+ 11	53	+10
4. MIDLAND COUNTIES	76	35	63·1	45·8	53·9	+ 4·5	83	+ 23	0	- 5	5	+ 2	0·46	+0·05	38	- 4	36	- 4
5. ENGLAND, SOUTH	74	35	62·4	47·2	54·3	+ 3·5	86	+ 22	0	- 2	4	+ 1	0·39	+0·05	47	0	45	0
Western																		
6. SCOTLAND, WEST	66	38	56·9	45·5	50·9	+ 2·4	62	+ 11	0	- 4	6	+ 2	1·23	+0·58	26	- 17	24	-15
7. ENGLAND, N.W.	69	33	59·9	45·7	52·4	+ 3·3	73	+ 20	0	- 2	6	+ 3	0·74	+0·25	32	- 12	30	-11
8. ENGLAND, S.W.	70	37	58·6	46·3	52·1	+ 1·9	71	+ 11	0	- 1	6	+ 4	1·04	+0·58	22	- 28	21	-26
9. IRELAND, NORTH	63	32	56·1	44·2	49·8	+ 0·8	55	+ 2	0	- 2	6	+ 2	1·13	+0·58	35	- 6	32	- 6
10. IRELAND, SOUTH	63	32	56·6	44·1	50·0	- 0·5	56	- 5	0	- 1	7	+ 4	1·65	+1·12	29	- 16	27	-15
11. ENGLISH CHANNEL	70	44	59·5	48·9	53·9	+ 2·1	83	+ 15	0	0	5	+ 2	0·74	+0·39	37	- 20	36	-20
THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, March 3rd to May 11th, 1907.																		
0. SCOTLAND, NORTH	66	18	*	*	*	*	238	+ 21	173	- 43	53	+ 7	9·53	+2·04	301	+ 5	32	+ 1
Eastern																		
1. SCOTLAND, EAST	67	10	*	*	*	*	296	+ 16	204	- 17	38	0	4·87	+0·31	358	+ 46	38	+ 5
2. ENGLAND, N.E.	79	24	*	*	*	*	376	+ 91	154	- 16	37	+ 2	3·33	-0·55	404	+ 94	44	+10
3. ENGLAND, EAST	80	21	*	*	*	*	411	+ 41	138	- 40	36	+ 3	4·02	+0·38	431	+ 80	47	+ 9
4. MIDLAND COUNTIES	76	18	*	*	*	*	437	+ 54	158	- 32	38	+ 6	4·05	+0·02	369	+ 50	40	+ 5
5. ENGLAND, SOUTH	74	20	*	*	*	*	429	+ 34	110	- 11	36	+ 5	4·93	+1·08	437	+ 85	48	+ 9
Western																		
6. SCOTLAND, WEST	66	23	*	*	*	*	339	+ 45	135	- 22	42	+ 3	9·74	+2·64	321	- 7	35	- 1
7. ENGLAND, N.W.	69	23	*	*	*	*	363	+ 49	123	- 10	41	+ 5	6·02	+0·92	368	+ 43	40	+ 5
8. ENGLAND, SW.	70	20	*	*	*	*	390	+ 13	105	+ 5	43	+ 8	7·37	+1·76	379	+ 2	41	0
9. IRELAND, NORTH	63	26	*	*	*	*	336	+ 6	83	- 43	50	+ 8	8·82	+3·02	304	- 6	33	- 1
10. IRELAND, SOUTH	68	27	*	*	*	*	407	+ 7	60	- 33	52	+14	7·16	+0·89	357	- 8	37	- 1
11. ENGLISH CHANNEL	70	29	*	*	*	*	458	+ 16	6	- 24	37	0	5·22	+0·60	443	+ 17	49	+ 2
THE YEAR.—Aggregates, &c., for the period of 19 Weeks, December 30th, 1906, to May 11th, 1907.																		
0. SCOTLAND, NORTH	66	8	*	*	*	*	291	+ 14	508	- 24	101	+ 9	21·61	+4·13	396	+ 10	27	+ 1
Eastern																		
1. SCOTLAND, EAST	67	5	*	*	*	*	365	+ 13	586	+ 8	68	- 5	8·31	-1·01	520	+ 86	36	+ 6
2. ENGLAND, N.E.	79	15	*	*	*	*	451	+ 86	497	+ 26	65	- 3	5·61	-1·66	583	+158	40	+11
3. ENGLAND, EAST	80	10	*	*	*	*	457	- 3	517	0	63	- 4	6·66	-0·43	587	+ 96	40	+ 6
4. MIDLAND COUNTIES	76	10	*	*	*	*	503	+ 16	535	+ 9	62	- 3	6·51	-1·67	525	+ 87	35	+ 6
5. ENGLAND, SOUTH	74	16	*	*		*	502	- 11	434	+ 54	58	- 5	7·65	-0·65	595	+109	40	+ 7
Western																		
6. SCOTLAND, WEST	66	16	*	*	*	*	414	+ 29	399	- 7	80	+ 1	17·49	+1·38	437	+ 3	30	0
7. ENGLAND, N.W.	69	15	*	*	*	*	423	+ 15	413	+ 29	75	+ 3	10·22	-0·54	514	+ 77	35	+ 5
8. ENGLAND, S.W.	70	5	*	*	*	*	470	- 58	393	+ 94	78	+ 7	12·08	-0·56	536	+ 15	36	+ 1
9. IRELAND, NORTH	63	16	*	*	*	*	429	- 26	291	- 52	93	+ 9	13·93	+1·58	420	- 8	29	- 1
10. IRELAND, SOUTH	68	11	*	*	*	*	564	- 22	251	- 7	88	+12	10·93	-2·91	466	- 14	31	- 1
11. ENGLISH CHANNEL	70	21	*	*	*	*	621	- 40	96	- 13	71	- 7	8·82	-1·71	604	+ 10	40	+ 1

May 5-11, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	52	39	50·1	42·0	45·8	+ 1·8	27	0	6	0·41	− 0·03	41·4	+ 3·6	37	+ 3
	Stornoway	56	36	53·6	42·9	47·9	+ 1·9	41	0	7	1·08	+ 0·51	23·4	− 18·6	21	− 17
0. SCOTLAND, N. — Mainland.	Wick	64	36	57·1	41·9	49·0	+ 3·0	49	0	3	0·25	− 0·15	*	*	*	*
	†Lairg (Strathpeffer) ..	65	35	58·1	41·1	49·1	+ 3·7	53	3	6	0·51	0·00	33·7	− 3·7	30	− 3
	Glencarron	61	42	56·9	45·2	50·7	+ 4·5	61	0	4	0·43	− 0·65	*	*	*	*
	Fort Augustus	64	35	58·2	43·8	50·6	+ 2·8	60	0	2	0·38	− 0·16	29·8	+ 0·2	27	0
	Fort William	59	40	57·8	45·2	51·1	+ 3·0	64	0	5	1·53	+ 0·77	*	*	*	*
1. SCOTLAND, E.	Nairn	67	37	61·4	43·7	52·0	+ 4·7	70	0	4	0·09	− 0·26	41·0	—	37	—
	Aberdeen	63	36	55·4	44·0	49·4	+ 2·5	52	0	4	0·33	− 0·17	35·9	− 5·1	32	− 5
	†Balmoral (Crathes) ..	60	27	55·1	38·7	46·4	+ 2·2	45	9	6	0·40	− 0·12	34·1	—	31	—
	†Crieff (Balruddery) ..	61	37	56·0	44·6	50·0	+ 1·7	56	0	6	0·77	+ 0·24	*	—	*	*
	†Leith (Edinburgh)	64	43	58·0	46·1	51·7	+ 3·3	68	0	5	0·15	− 0·22	22·5	− 12·5	21	− 12
	Marchmont	64	37	58·4	42·3	49·9	+ 3·7	55	0	5	0·63	+ 0·09	29·1	− 9·3	27	− 9
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	68	40	58·9	43·7	50·8	+ 4·2	62	0	6	0·50	+ 0·01	22·5	—	21	—
	†Shields (Newcastle)	67	41	58·1	43·6	50·4	+ 3·2	59	0	5	0·46	+ 0·09	19·7	− 11·1	18	− 10
	Durham	66	40	58·6	44·3	51·0	+ 3·9	63	0	7	0·40	− 0·04	26·2	− 10·4	24	− 10
	Scarborough .. .. 𝔐	64	42	59·5	45·6	52·1	+ 4·3	71	0	4	0·30	− 0·14	28·7	—	27	—
	York	73	40	64·9	46·0	54·9	+ 5·7	90	0	7	0·66	+ 0·25	28·6	− 9·3	27	− 9
2. ENGLAND, N.E. — Southern part.	Spurn Head	65	42	58·9	47·0	52·6	+ 4·4	74	0	2	0·03	− 0·32	*	*	*	*
	†Lincoln (Skegness)	79	38	66·8	44·7	55·1	+ 4·8	92	0	2	0·16	− 0·24	59·8	—	56	—
	†Fulbeck (Rauceby)	79	33	67·3	46·2	56·1	+ 6·0	99	0	4	0·17	− 0·24	53·8	—	50	—
3. ENGLAND, E. — Northern part.	Hillington .. .. 𝔐	80	35	68·3	45·0	56·0	+ 6·7	98	0	2	0·03	− 0·39	56·8	+ 13·4	53	+ 13
	†Yarmouth (Lowestoft) ..	61	41	57·0	47·6	52·0	+ 3·7	70	0	2	0·07	− 0·31	66·8	—	63	—
	Geldeston	75	38	66·0	45·8	55·3	+ 6·2	93	0	2	0·04	− 0·34	64·0	+ 17·8	60	+ 17
	(Cromer)												65·8	—	62	—
3. ENGLAND, E — Southern part.	Cambridge	79	34	67·3	44·8	55·4	+ 5·1	94	0	3	0·41	+ 0·01	51·9	+ 8·4	49	+ 8
	Felixstowe	62	41	58·4	46·5	52·1	+ 1·9	71	0	2	0·05	—	63·8	—	60	—
	Clacton-on-Sea	62	43	57·6	49·0	53·0	+ 2·7	77	0	2	0·07	—	59·8	—	56	—
	Rothamsted	76	32	65·3	43·4	53·7	+ 4·6	82	0	4	0·33	− 0·11	49·6	+ 7·6	47	+ 7
	Shoeburyness	71	43	62·9	48·3	55·2	+ 4·2	92	0	4	0·22	− 0·07	*	*	*	*
	London, Westminster	76	40	65·0	48·4	56·2	+ 4·9	99	0	2	0·59	+ 0·22	42·0	+ 7·3	40	+ 7
	(Dunmow)												52·8	—	50	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	68	38	60·1	44·4	51·8	+ 4·6	69	0	6	0·49	+ 0·04	23·6	—	22	—
	†Bawtry (Worksop)	76	38	67·4	45·7	55·9	+ 6·6	97	0	4	0·14	− 0·26	36·1	− 0·3	34	0
	Nottingham	75	37	63·9	46·6	54·7	+ 5·0	89	0	5	0·33	− 0·09	43·3	—	41	—
	Birmingham, Edgbaston ..	71	38	62·6	46·0	53·8	+ 4·9	83	0	5	0·57	+ 0·09	39·0	—	37	—
	Oxford	73	40	64·1	47·3	55·2	+ 4·9	92	0	3	0·13	− 0·27	43·6	+ 2·0	41	+ 2
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. 𝔐	67	37	60·7	44·6	52·2	+ 4·4	71	0	5	0·58	+ 0·08	42·1	—	39	—
	Shrewsbury	70	39	63·3	45·8	54·0	+ 4·5	84	0	5	0·87	—	*	*	*	*
	Hereford .. .. 𝔐	70	37	62·8	45·9	53·8	+ 4·0	83	0	6	0·89	+ 0·44	*	*	*	*
	Cirencester	71	35	62·9	44·5	53·2	+ 4·2	78	0	2	0·12	− 0·34	39·7	− 3·8	38	− 4
	Bath	71	38	63·1	46·9	54·5	+ 3·9	88	0	4	0·52	+ 0·06	36·5	—	35	—
	(Margate)												55·0	+ 12·6	52	+ 12
5. ENGLAND, S.	Kew	74	38	65·3	46·3	55·2	+ 4·7	92	0	4	0·64	+ 0·26	46·0	+ 3·3	44	+ 3
	Wisley, Surrey	73	37	65·0	46·3	55·1	+ 4·3	92	0	5	0·61	—	47·1	—	45	—
	†Swarraton (Ventnor) .. 𝔐	71	35	63·9	45·1	53·9	+ 5·2	83	0	3	0·15	− 0·30	35·3	− 13·7	34	− 13
	Tunbridge Wells .. 𝔐	74	39	65·8	46·2	55·4	+ 5·9	94	0	3	0·43	+ 0·01	51·3	+ 7·1	49	+ 7
	†Dungeness (Littlestone) ..	65	45	58·9	47·9	53·1	+ 3·1	78	0	2	0·16	− 0·12	48·4	—	46	—
	Hastings	71	43	61·9	48·1	54·6	+ 4·3	88	0	5	0·32	− 0·04	49·1	− 0·9	47	− 1
	Southampton	71	41	63·8	49·4	56·2	+ 4·4	99	0	3	0·24	− 0·20	45·5	− 1·2	43	− 1
	†Portland Bill (Worthing) ..	59	46	54·6	48·1	51·2	+ 0·1	64	0	5	0·54	—	45·0	—	43	—
	(Eastbourne)												50·6	+ 1·8	48	+ 2
6. SCOTLAND, W.	†Laudale (Oban)	60	42	57·2	45·4	51·0	+ 2·2	63	0	6	1·70	+ 0·82	24·6	—	22	—
	Glasgow	58	43	55·6	46·4	50·7	+ 2·6	61	0	6	0·70	+ 0·15	22·4	− 12·9	21	− 12
	Dumfries .. .. .. 𝔖	66	41	60·2	46·2	52·8	+ 4·3	76	0	7	1·17	+ 0·60	*	*	*	*
	Cally	62	39	56·6	44·5	50·2	+ 1·9	57	0	6	1·10	+ 0·45	*	*	*	*
	Douglas, Isle of Man	61	38	55·1	45·1	49·8	+ 1·5	55	0	7	1·48	+ 0·95	31·8	− 17·2	29	− 16
7. ENGLAND, N.W.	Aspatria	63	40	58·8	46·0	52·0	+ 3·5	70	0	6	0·69	+ 0·19	43·2	—	40	—
	Newton Rigg	62	40	58·4	44·7	51·1	+ 3·7	64	0	6	0·89	+ 0·42	28·7	− 13·3	27	− 12
	Stonyhurst	63	36	58·7	45·2	51·6	+ 3·2	67	0	5	0·62	+ 0·02	31·9	− 9·8	30	− 9
	Blackpool .. .. .. 𝔐	66	42	59·6	46·2	52·5	+ 3·3	74	0	6	0·76	+ 0·32	31·5	− 11·5	29	− 11
	Manchester, Prestwich ..	65	33	60·7	42·5	51·1	+ 2·5	64	0	6	0·59	+ 0·06	32·7	− 3·4	31	− 3
	†Liverpool Obs. (Hoylake) ..	68	41	61·3	46·1	53·2	+ 3·2	78	0	5	0·81	+ 0·41	32·9	—	31	—
	†Hawarden Bridge (Southport)	69	40	63·3	47·1	54·7	+ 4·5	89	0	6	0·87	+ 0·54	28·7	− 17·2	27	− 16
7. NORTH WALES	Llandudno .. .. 𝔐	66	40	59·6	47·2	53·0	+ 2·9	77	0	7	0·53	+ 0·11	33·9	− 9·9	32	− 9
	†Holyhead (Aberdovey) ..	64	40	56·9	46·3	51·3	+ 1·7	65	0	7	0·90	+ 0·47	25·5	—	24	—
	Bettws-y-Coed	69	35	61·3	46·1	53·2	+ 3·5	78	0	6	0·76	—	26·2	—	25	—
8. SOUTH WALES	Llangammarch Wells	68	37	59·6	45·4	52·1	+ 3·5	71	0	7	1·83	—	23·6	—	22	—
	Pembroke	56	44	53·7	45·9	49·6	+ 0·5	53	0	7	1·53	+ 1·13	18·0	− 30·1	17	− 28
	†Cardiff (Aberystwyth)	66	37	61·2	46·3	53·3	+ 2·3	79	0	7	0·48	− 0·07	19·5	—	18	—
8. ENGLAND S.W.	Clifton	70	42	63·1	48·3	55·3	+ 4·1	93	0	6	0·61	+ 0·11	35·5	—	34	—
	†Shaftesbury (Marlborough) 𝔐	69	38	60·0	45·6	52·4	+ 3·6	78	0	5	0·45	− 0·02	44·1	+ 4·5	42	+ 4
	†Arlington (Newquay)	64	39	58·7	46·0	52·0	+ 3·1	70	0	6	1·32	+ 0·69	21·8	− 25·6	21	− 24
	Cullompton .. .. 𝔐	64	38	60·5	44·9	52·2	+ 1·4	71	0	6	1·14	+ 0·67	21·2	− 21·6	20	− 21
	Plymouth	58	42	54·7	47·2	50·7	− 1·0	61	0	6	1·05	+ 0·60	21·0	− 25·9	20	− 25
	Falmouth	58	44	55·5	47·5	51·3	+ 0·6	65	0	6	0·99	+ 0·45	16·2	− 33·8	16	− 33
	(Torquay)												23·7	− 24·9	23	− 24
9. IRELAND, N. — Western part.	Malin Head	58	42	54·6	44·4	49·2	+ 1·0	50	0	6	0·50	+ 0·05	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	59	43	55·3	45·1	49·9	+ 0·3	55	0	6	1·25	+ 0·62	*	*	*	*
	Markree Castle	62	32	58·1	43·2	50·2	+ 1·8	57	0	5	1·60	+ 1·04	33·5	− 6·9	31	− 6
9. IRELAND, N. — Eastern part.	Armagh	63	36	58·0	44·3	50·7	+ 1·9	61	0	7	1·04	+ 0·55	36·6	− 3·5	34	− 3
	Donaghadee	61	38	54·6	43·9	48·9	+ 0·1	48	0	7	1·24	+ 0·76	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	63	40	59·2	46·9	52·7	+ 2·1	75	0	7	2·22	+ 1·78	21·3	− 24·1	20	− 23
	Kilkenny	60	32	56·0	43·7	49·5	− 0·4	53	0	7	1·89	+ 1·42	*	*	*	*
	Waterford	58	35	55·3	44·4	49·5	− 0·2	53	0	7	2·05	+ 1·55	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	63	33	59·0	43·4	50·7	+ 1·2	61	0	6	1·35	+ 0·86	38·8	− 1·9	36	− 2
	Foynes	61	34	57·3	42·7	49·6	− 0·4	53	0	7	1·19	+ 0·67	*	*	*	*
	Killarney	63	34	57·6	43·1	49·9	− 0·5	55	0	6	1·91	+ 1·21	*	*	*	*
	Valencia	58	36	55·4	44·0	49·4	− 1·5	52	0	6	0·85	+ 0·13	32·3	− 12·8	31	− 12
	†Roches Point (Ballinacurra) ..	55	37	52·6	44·9	48·5	− 2·5	46	0	6	1·74	+ 1·14	22·1	—	21	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	57	46	54·7	47·6	50·9	− 0·2	62	0	7	1·40	+ 1·02	26·3	− 23·9	25	− 23
	†Jersey, St. Aubins (St. Helliers)	69	46	61·6	49·7	55·3	+ 3·3	93	0	4	0·40	− 0·06	43·5	− 9·6	42	− 9
	Guernsey	70	44	62·1	49·5	55·4	+ 4·2	94	0	5	0·41	− 0·04	42·5	− 13·0	41	− 12

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 60·1 hrs., 57 % ; Brighton, 46·3 hrs. (− 0·9), 44 % (− 1 %) ; Bournemouth, 40·0 hrs., 38 % ; Bognor, 41·7 hrs., 40 % ; Rhyl, 40·8 hrs., 38 % ; Tenby, 16·1 hrs. (− 32·2), 15 % (− 30 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	44·0
	Crathes	1	27	47·5	44·5
	Balmoral	1	22	—	—
	Marchmont ..	—	—	47·6	—
2.	Cockle Park	0	32	47·0	44·8
	York	—	—	49·2	46·3
	Hull	0	31	49·4	45·7
	Lincoln	—	—	50·6	47·1
3.	Lowestoft	—	—	53·0	48·0
	Cambridge	1	29	52·8	49·1
	Dunmow	1	29	—	—
	Clacton-on-Sea ..	1	30	51·1	49·2
4.	Harrogate	0	32	46·9	45·6
	Sheffield	0	31	48·6	44·8
	— — ..				
	Birmingham	1	28	47·5	45·4
	Nottingham	0	36	50·8	45·7
	— — ..				
5.	Kew	1	28	51·6	48·3
	Canterbury	0	35	51·1	49·0
	Portsmouth	0	34	54·2	50·8
	Wisley	—	—	51·5	48·5
6.	— — ..				
	Glasgow	0	38	—	—
	— — ..				
7.	Newton Rigg ..	0	34	47·9	45·1
	Southport	1	27	52·3	49·3
	Manchester City ..	0	34	49·0	46·7
	Bettws-y-Coed ..	0	34	48·4	46·4
	— — ..				
8.	Llangammarch Wells	0	32	49·7	46·7
	Bath	—	—	52·4	49·8
	Plymouth	0	37	52·3	—
	— — ..				
9.	Armagh	0	33	50·2	47·8
	Markree Castle ..	1	27	—	—
10.	Dublin, Trin. Coll. ..	1	30	51·0	48·5
11.	Guernsey, Brooklyn	0	37	51·9	50·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	44	45·0
	Kirkwall	50	47	47·8
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	48	45	46·3
	Pennan Bay	47	45	46·2
	Aberdeen, Cove Bay ..	46	46	46·0
ENGLAND, N.E.	Burnmouth, Berwick ..	46	43	44·9
	Scarborough	51	43	47·6
ENGLAND, E.	Shipwash Lightship ..	46	49	47·8
	Margate‡	52	48	49·6
ENGLAND, S.E.	Eastbourne‡	51	48	49·7
SCOTLAND, W.	Lamlash	46	45	45·8
	Ballantrae	49	47	48·2
ENGLAND, N.W.	Port Erin	49	47	47·2
ENGLAND, S.W.	Newquay	52	51	51·6
	Plymouth‡	52	49	50·4
	Salcombe	49	49	49·0
IRELAND, N.W.	Sheephaven	50	48	48·5
	Ballyglass	53	48	49·9
IRELAND, S.W.	Cleggan	53	47	49·2
	Seafield	53	48	50·9
IRELAND, E.	Kingstown‡	49	47	47·9

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

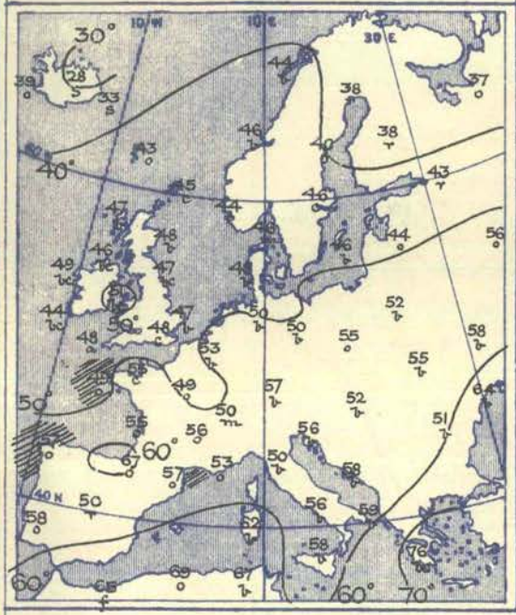
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

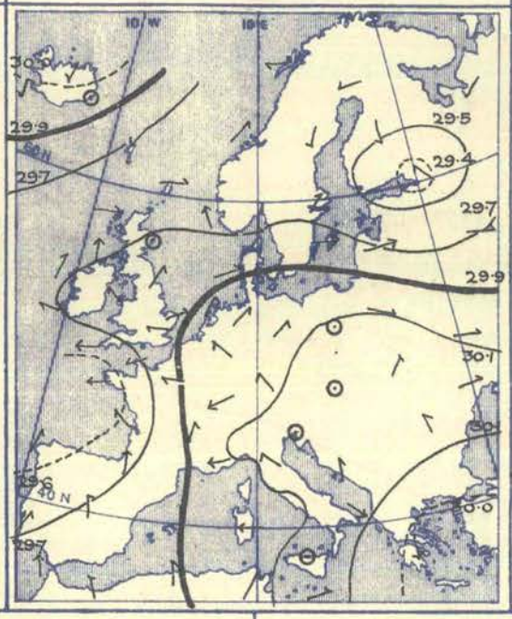
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 5th May, 1907.

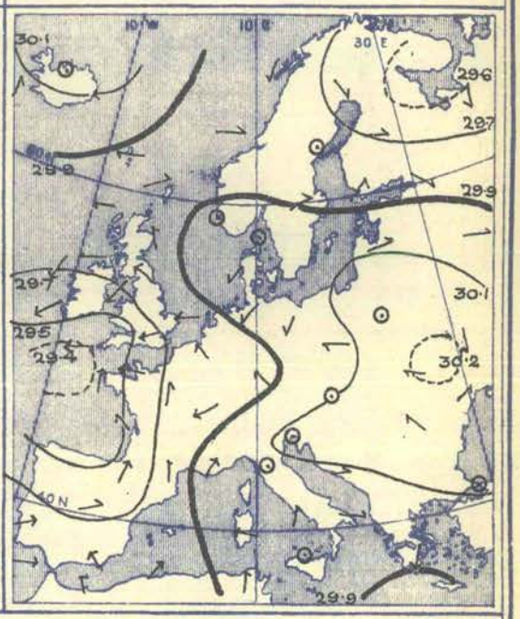
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of southern Europe and our Islands, but overcast in places and rainy at Madrid and Barcelona. Rainy in the north-east of our area, and snow falling in Iceland. Rain experienced later in day in Algeria, Spain and Portugal, the south and west of France and in many parts of these Islands. Amount more than 3·5 ins. at Cape Sicié.

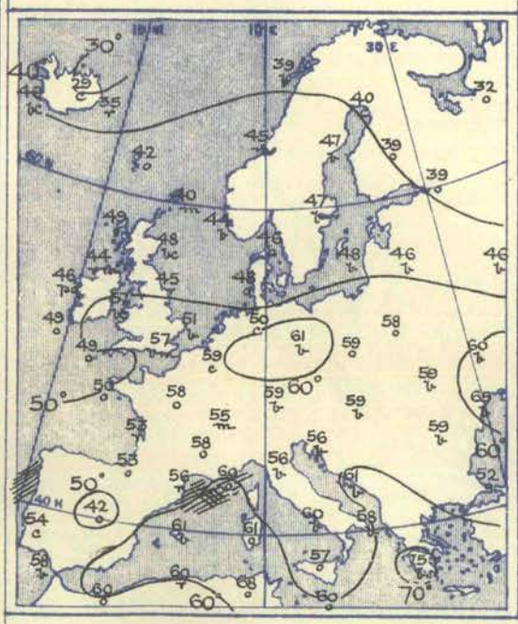
Temperature risen in Russia and the south-west of France, changed little elsewhere. Readings in morning as high as 76° at Patras, 69° at Algiers, and above 60° in some other southern localities. Not far from 50° over the major portion of our area, but below 40° in the extreme north of Europe and in Iceland. Maxima during day above 70° at most places in the central and southern countries, and above 80° at La Calle and in Greece. Thermometer remaining below 60° at nearly all our own stations.

Wind in morning showing a complete cyclonic circulation over the north of Russia and partial cyclonic movements in the south-west and south-east of our area. Only moderate in force generally, but fresh or strong in a few places and high at Athens. Increasing in force from the Eastward later on our own south and south-west coasts and from the South-Westward over the Iberian Peninsula.

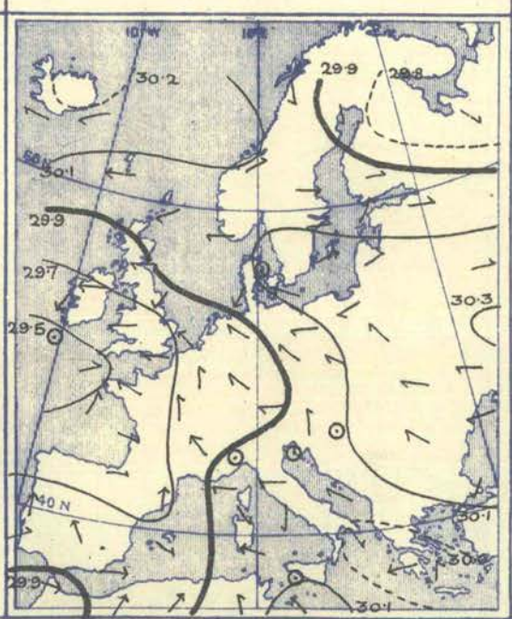
Barometer in morning above 30·1 ins. in an irregularly shaped area covering a large part of central Europe, Italy, and the south of Russia; relatively high in the Icelandic region. Below 30·0 ins. in a depression over Greece, less than 29·6 ins. in another system over the Bay of Biscay, and below 29·4 ins. in a minimum near St Petersburg. South-western disturbance becoming more complex and extending northwards during day. Pressure increasing over Iceland and the north of our Islands.

Monday, 6th May, 1907.

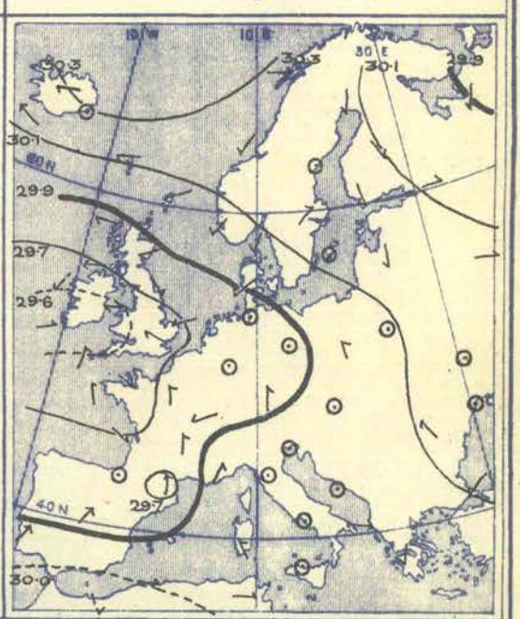
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and rainy in Algeria and the south and west of France, as well as at some of our own stations; fair or fine as a whole. Thunderstorms later along the west coast of France and in Wales, and rain over this country and France generally—more than half an inch in some French localities and 0·8 in. at Blacksod Point.

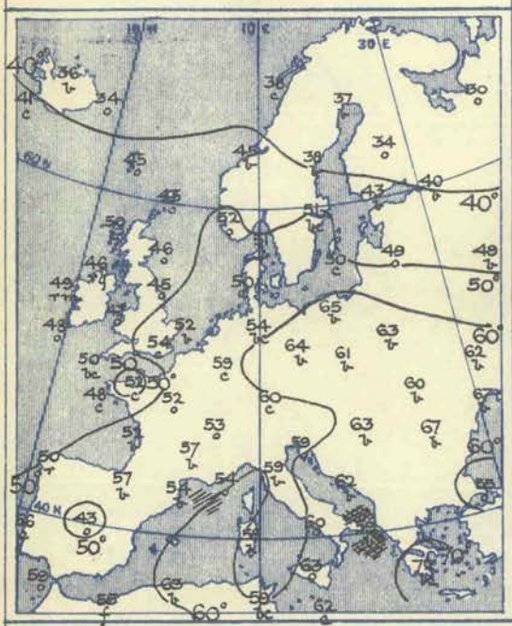
Temperature fallen in the Spanish Peninsula, the south-west of France, and in Russia; risen generally. Readings in morning 75° at Patras, 68° at La Calle, 61° at Berlin, and 60° at Kieff. Below 55° over our area as a whole, and below 40° in the north-east and in Iceland. Maxima during day 81° at Breslau and nearly as high as 80° at other German stations. Between 70° and 80° over Austria and Italy, and as high as 88° at Patras. Thermometer remaining relatively low over the Iberian Peninsula, only touching 57° at Madrid.

Wind in morning light from the Westward along the west coast of France and light or moderate from South-East or East over the United Kingdom. Light airs, mainly anticyclonic, prevailing over Russia and light variable winds over Italy and its vicinity. Shifting to the Westward or South-Westward later in the south-west and south of England, but no general change occurring.

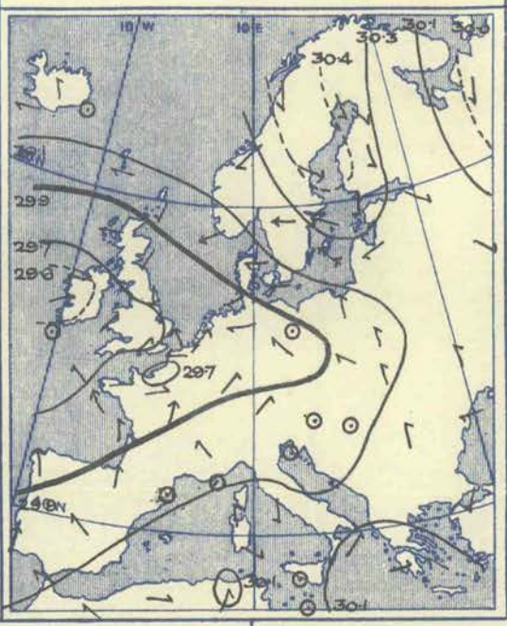
Barometer in morning above 30·2 ins. towards the south of Russia and also in the north of Iceland. Below 29·5 ins. in a depression off the south-west of these Islands. Relatively low in disturbances over Greece and the White Sea. South-western depression travelling slowly northwards during day, and another minimum appearing near Perpignan. High pressure systems increasing in intensity. Pressure becoming very uniform in the south-east of our area.

Tuesday, 7th May, 1907.

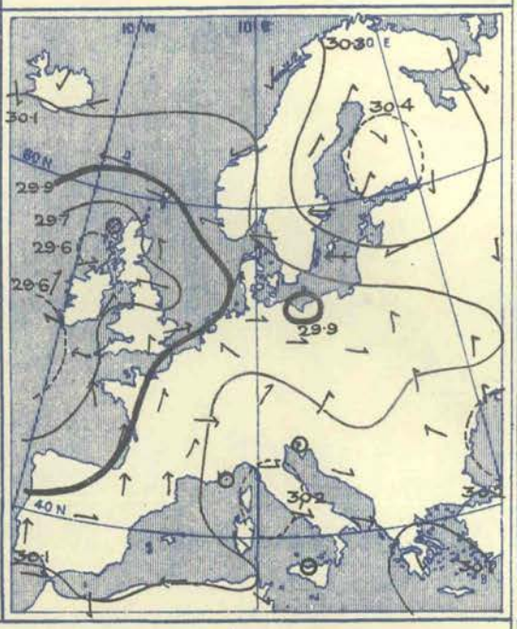
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over our Islands, France, and the north-west of Spain, with rain or passing showers in places. Fair or fine in most other regions. Thunderstorms later in Wales and at Paris and rain at nearly all our own stations, and at various spots in the north and south of our area.

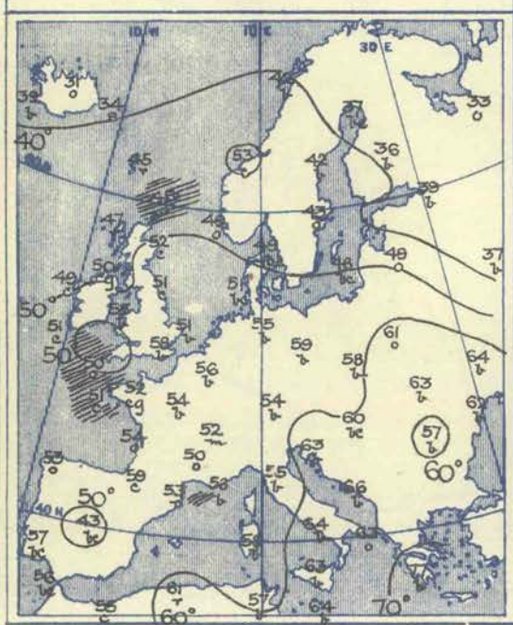
Temperature in morning above 60° over the greater part of central Europe and above 70° at Athens. Below 50° over the north-eastern regions of the Continent and at most of our own stations, and as low as 30° at Archangel. Rising to 55° or rather higher in various parts of these Islands during day, to above 70° in some French and Italian districts, and to above 80° in the central countries and at some stations in the extreme south. Highest reading, 86° at Athens.

Wind in morning showing a complete cyclonic circulation over a small area round about the eastern part of the English Channel and a partial cyclonic circulation over the west and north-west of our area generally. A South-Easterly gale prevailing at Wisby and a strong breeze from East-North-East in the south-west of Norway, but moderate or light in force as a rule. No change of a general character occurring later.

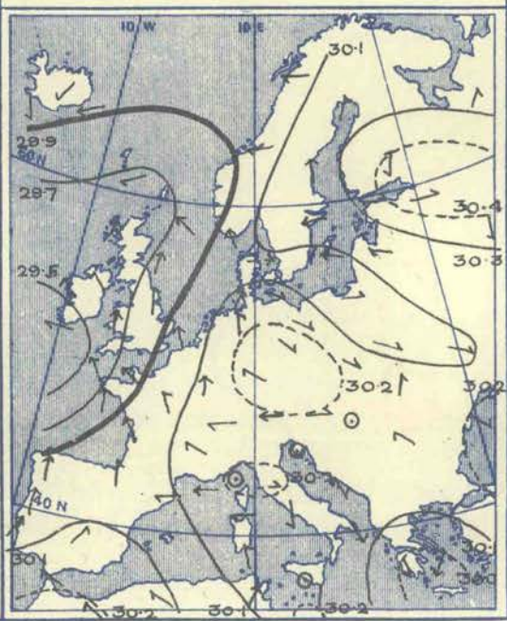
Barometer in morning above 30·4 ins. over the north of Scandinavia and above 30·3 ins. in the neighbourhood of Kharkoff. Below 30·1 ins. over the extreme south-east of our area and below 29·6 ins. in a depression over the west of Ireland and the adjacent portion of the Atlantic. Pressure becoming highest over Finland by 6 p.m. and relatively high over Italy and Corsica. Barometer falling over North Germany and Poland, and a long band of relatively low pressure appearing in that region. Mercury falling in Scotland, rising in England and Ireland.

Wednesday, 8th May, 1907.

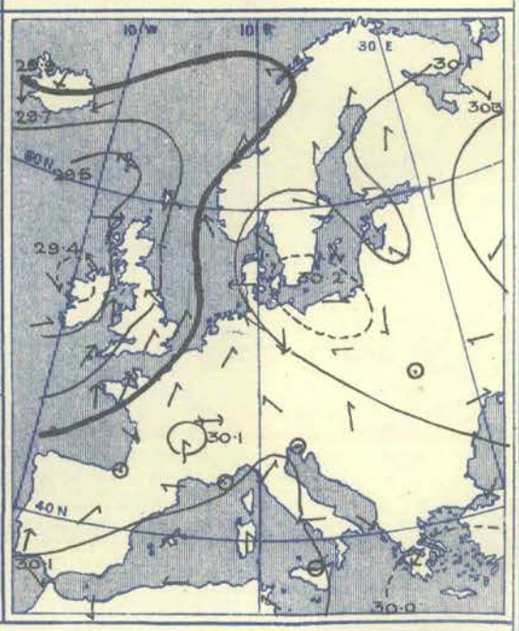
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in the west and north of our Islands and at some stations in the south of France; fine and bright in nearly all other regions, but snow falling in the north-east of Iceland, and rain at Algiers and Faerder. Rain experienced later in most parts of our Islands and the nearer regions of the Continent, with thunder and lightning at several stations in the east of Great Britain, as well as at Frankfort.

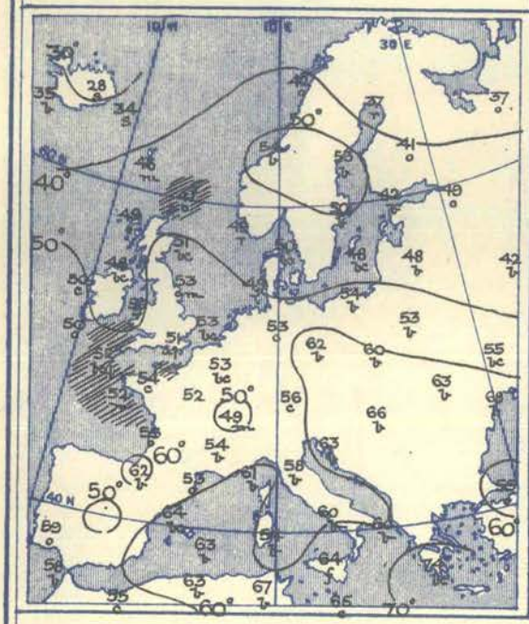
Temperature fallen over Germany and in a few other localities, risen as a whole. Readings in morning above 75° in Greece, 68° at La Calle, 66° at Pesaro, 64° at Malta, and about 60° in many parts of central and southern Europe. Below 40° in the north-east of our area, and below 32° in northern Iceland. Rising to above 60° during day in various parts of England and Scotland, to about 80° in many localities in central Europe, to 86° at Tunis, and to 90° at Patras. Maxima below 70° in the Spanish Peninsula.

Wind in morning fresh or strong from between South and South-East on various parts of our west and south-west coasts, and moderate from that point over our Islands and the western countries generally. Light and mainly anticyclonic over Russia and the central regions of Europe. Southerly wind becoming high by evening on the coast of Wales. Some veering taking place over these Islands generally; a West-South-Westerly breeze setting in in the south of Ireland.

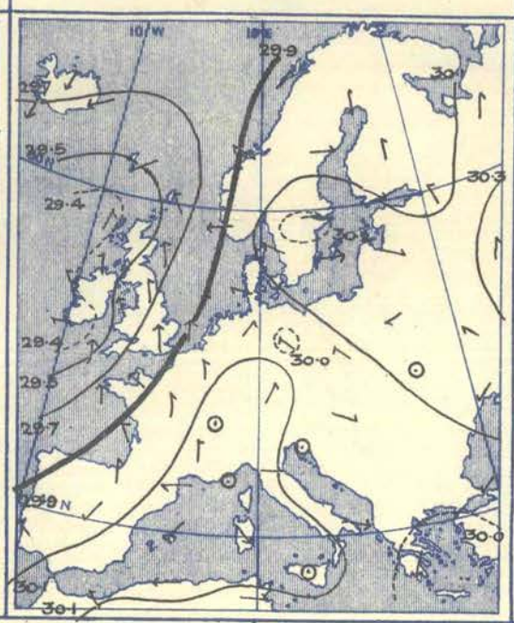
Barometer in morning above 30·4 ins. over the north of Russia and above 30·2 ins. in maxima situated over Germany, the Black Sea, and the north of Italy. Relatively low in a narrow band extending from the Skager Rack to Kieff, below 29·6 ins. in a depression off the north-west of Scotland, and less than 29·5 ins. off the south-west of Ireland. Irish depression moving in a north-easterly direction during day and apparently increasing in depth. A considerable modification in the general distribution of pressure occurring on the Continent.

Thursday, 9th May, 1907.

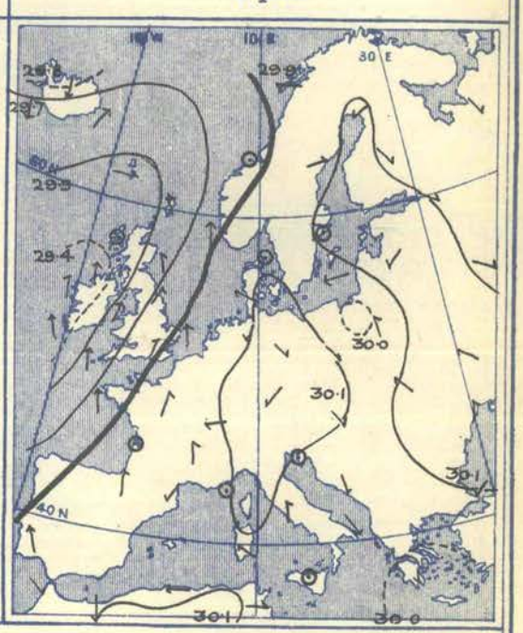
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled and rainy or showery in the United Kingdom and the extreme north of Europe, dull in Portugal, and overcast, with snow in Iceland. Fine and bright in almost all other regions. More or less rain experienced later over Norway and in most parts of these Islands, and a thunderstorm occurring at Harrogate.

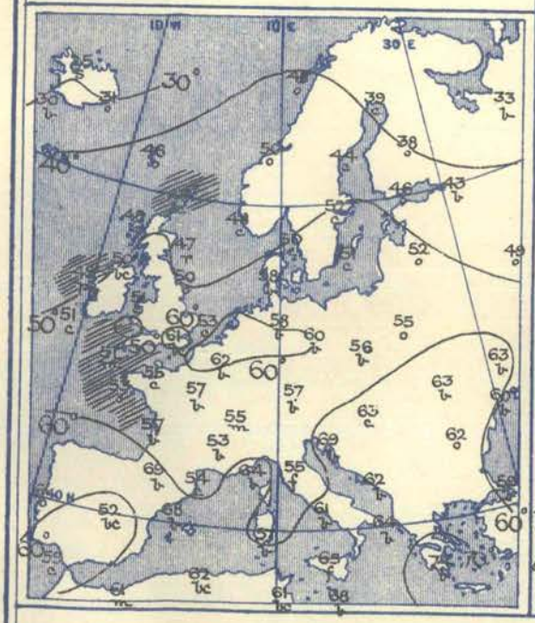
Temperature risen over the north of our area, changed rather irregularly as a whole. Readings in morning above 70° in Greece and above 60° in many other parts of southern Europe, as well as in Austria-Hungary. Decreasing to below 40° in the extreme north of Europe and to below 30° in the north of Iceland. Rising subsequently to 86° at Buda-Pesth, 82° at Patras, 80° at Rome, 79° at Biarritz, and to above 75° in various other southern localities and also in Poland. Thermometer rising to a little above 60° in some parts of Great Britain.

Wind in morning blowing a fresh gale from South at Pembroke and a strong breeze from the Southward on our south-west coasts generally. Light to moderate winds from some Southerly point prevailing over France and the east of Britain, and fresh North-Easterly winds or gales in Iceland. Light or moderate breezes from various directions shown over the greater part of the Continent. Southerly current increasing to a strong gale on some parts of our west coasts during the ensuing night.

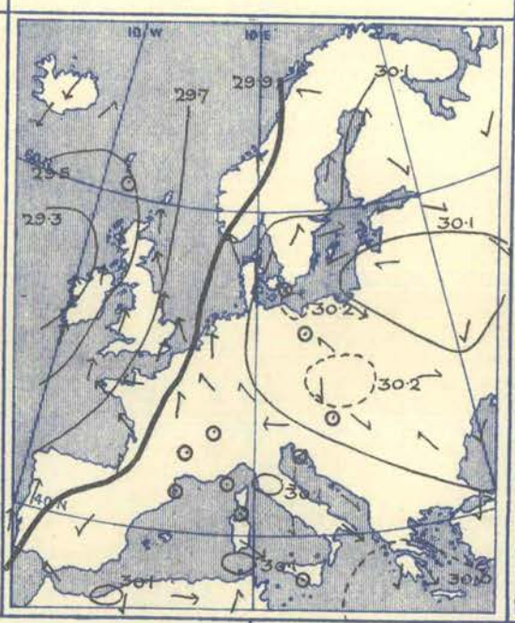
Barometer in morning 30·2 ins. to above 30·3 ins. in a large irregularly shaped area extending from the south of Sweden to central Russia, and relatively high over the western half of the Mediterranean. Below 30·0 ins. in a depression having its centre near Berlin, and below 29·4 ins. in a large system off the west of these Islands. Pressure giving way later over Russia and Scandinavia and also over France and the Spanish Peninsula. Changes rather irregular over our Islands and their immediate neighbourhood.

Friday, 10th May, 1907.

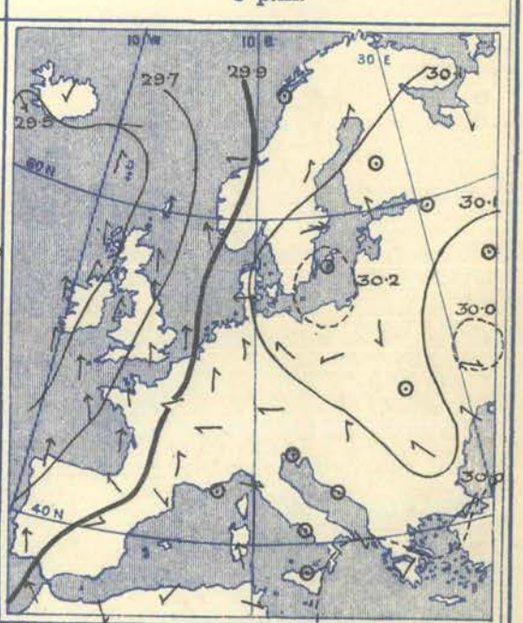
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning changeable and rather showery over a considerable portion of these Islands, and cloudy in Norway and on the coast of Portugal. Fair or fine over our area as a whole, but snow falling in the north-west of Iceland. Some rain falling later in the west and north of the United Kingdom, as well as in Portugal and Norway; weather continuing fair or fine generally.

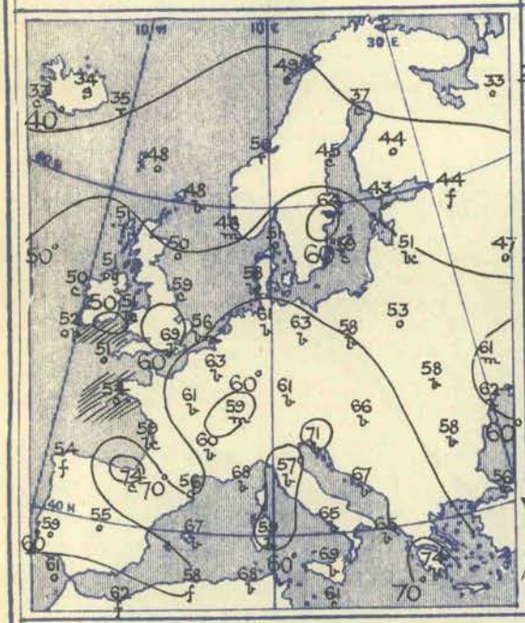
Temperature in morning much higher than of late in some parts of England and France. Readings at 8 a.m. 61° in London, 69° at Biarritz, above 60° in Hungary and on many shores of the Mediterranean, and above 70° in Greece. Still below 40° in the north-east of Europe, and below 30° in Iceland. Rising during day to 70° in London and to 75° at Margate, but remaining below 60° in several parts of these Islands. Maxima about 80° in the central and southern countries and as high as 88° at Patras.

Wind in morning fresh or strong from the Southward over Ireland and Wales, and moderate from that quarter over this country generally. High from the Northward in the west of Iceland. A strong Northerly breeze prevailing at Athens, but light and rather variable airs general on the Continent. No important change occurring later in day.

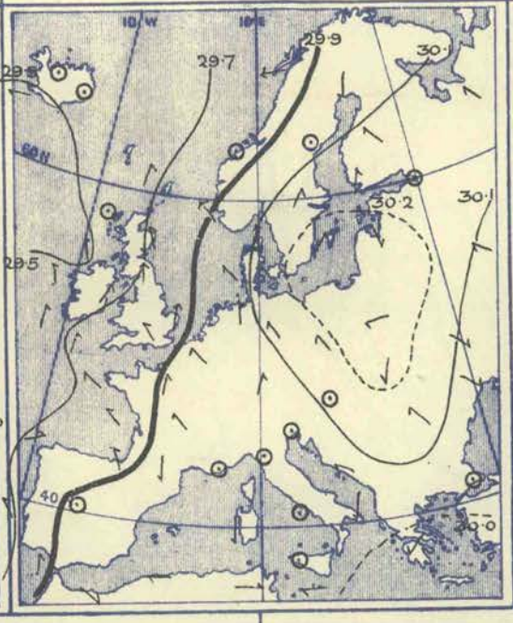
Barometer in morning above 30·2 ins. in the south of Russia and also in the centre of Europe. Below 29·3 ins. in a very large area of low pressure on the Atlantic to the westward of Ireland. Pressure increasing during day along our western seaboard and falling over France and the Spanish Peninsula. High pressure disappearing from the south of Russia and a depression shown near Kieff by 6 p.m. Gradients becoming rather less steep over the United Kingdom.

Saturday, 11th May, 1907.

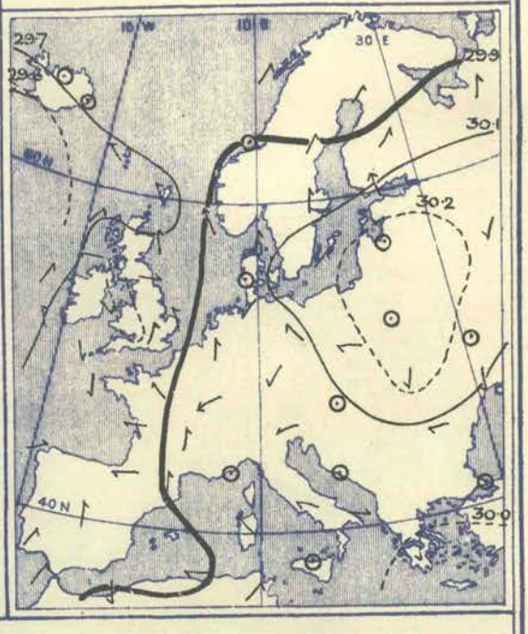
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with rain in places, on the western coasts of the Spanish Peninsula, the United Kingdom, and Norway, and rain or snow falling in Iceland, but fair or fine as a whole. Rain falling later in various parts of these Islands, with thunder and lightning in places, and heavier falls of rain experienced in Brittany, the Spanish Peninsula, Norway, and the north of Russia.

Temperature risen in nearly all places. Readings in morning 60° or above over a large portion of our area, including the neighbourhood of Stockholm and the east of Scotland, and above 70° in Greece. Below 40° in the extreme north-east of Europe and also in Iceland. Rising later to 70° or above at most stations in central and southern England, and to 79° at Margate. Maxima above 80° in the central countries and Greece, and as high as 70° at Stockholm; highest readings, 86° at Frankfort and Patras. Succeeding night very warm in the south-east of England; minimum in London only 59°.

Wind in morning mainly Southerly over these Islands and the western countries of the Continent, very light and variable over the Mediterranean region, and light and anticyclonic over Russia and central Europe. Southerly current becoming much less well-marked by evening over the United Kingdom.

Barometer in morning ranging from above 30·2 ins. in a large anticyclone over the Baltic and the adjacent parts of Russia and Germany, to less than 29·7 ins. in the south of Portugal, and to below 29·5 ins. in a large area off our north-west coasts. Pressure increasing during day over Iceland and the greater portion of this country, but falling over the Bay of Biscay and the west of France. Distribution becoming rather irregular over England. Anticyclone maintaining its position on the Continent.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟿ a heavy gale; ⟶ a gale; ⟶ a fresh to strong breeze, ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	16,000 / 3,000	Remarks.
1907. May 5th, 10.20 a.m. to 11.53 a.m.	Brighton, 380 ft.	Temperature F.	58°	52°						One kite, 50 sq. ft.; 5,000 ft. wire. Max. height, 2,100 ft. Temp., 50°. Humidity, 75%. Overcast with thin Ci.-S. A.-Cu. from SW. Wind increased later.
		Humidity	75%	75%						
		Wind Velocity, m. per hr.	ESE, †25	SE by E, 32						
May 6th, 10.0 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	65°	58°	52°					Two kites, 154 sq. ft.; 6,000 ft. wire. Max. height, 3,900 ft. Temp., 52°. Humidity, 60%. Wind, 20 m. per h. Clear sky, but London smoke very evident. Little change of temp. above 3,000 ft.
		Humidity	70%	70%	70%					
		Wind Velocity, m. per hr.	ESE, 12	ESE, 22	ESE, 22					
May 9th, 3.17 p.m. to 4.48 p.m.	Brighton, 380 ft.	Temperature F.	58°	53°	48°					One kite, 77 sq. ft.; 4,000 ft. wire. Clear sky; very clear. Bank of Cu. in the north.
		Humidity	80%		85%					
		Wind Velocity, m. per hr.	S by W, †11	SW by S, 25	SW by S, 33					
May 10th, 10.19 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								* Entered small patch of cloud at 3,000 ft. and was not seen again.
		Humidity								
		Wind Velocity, m. per hr.	S, 13	S by W, 8	[S by W, 12]					
May 10th, 10.22 a.m. to 10.37 a.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Wind veering to SW ½ S at 1,300 ft., backing somewhat above. A.-Cu.
		Humidity								
		Wind Velocity, m. per hr.	S, 7	SSW, 20	SSW, 22	S by W ½ W, 38	S by W ½ W, 47			
May 10th, 6.32 p.m. to 6.54 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Wind veering considerably and increasing rapidly in the first 1,000 ft. S.-Cu., A.-Cu., and Ci. clouds at 10,000 ft. Fell 93 miles N, 22 miles E, near Winslow, in Bucks.
		Humidity								
		Wind Velocity, m. per hr.	E by S ½ S, 6	S by E, 28	S ½ W, 32	S by W, 38	S by W, 35	S ½ W, 34	S by W, 40	
May 11th, 5.40 p.m. to 6.2 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Wind changing from E to S by E between 500 and 1,300 ft. Nearly calm at 800 ft. A.-S. Thunderstorms passing in distance from SE to NE after sunset. Cloud height at 10.0 p.m. from reflection of Bournemouth lights, 18,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	E, 4	S ½ E, 14	S by E, 27	S ½ W, 24	S by W, 34	S by W, 48	S by W, 42	
May 11th, 10.5 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	71°	64°						One kite, 77 sq. ft.; 2,000 ft. wire. Max. height, 2,100 ft. Temp., 63°. Humidity, 50%. Wind, 38 m. per h. The values at 10,000 ft. are roughly approximate, as the cloud shadows were not very definite. T.S. at 10.0 p.m.
		Humidity	55%	65%						
		Wind Velocity, m. per hr.	SE, 11	SSE, 28					S by W, 55	

* Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed. † Estimated.

63, Victoria Street, London, S.W. *May 15th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 20. TWENTIETH WEEK, ENDING SATURDAY, MAY 18TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The general condition varied a good deal, but as a rule the weather was drier in the western districts than elsewhere. Thunderstorms were experienced in the north-west of England, the north of Ireland, and in some other localities on Sunday, and thunder and lightning occurred either together or singly in various places later in the week.

Temperature was extremely high at the commencement of the week, but afterwards sank gradually to a very low level. The mean for the week differed little from the average as a whole, but was nearly 2° above it in England E. and 1°·5 below it in Ireland N. The highest of the maxima, registered on Sunday or Monday, were above 80° in England N.E. and E., and the Midland Counties, the thermometer rising to 82° both at Fulbeck and Bawtry (at Great Billing on the same day the reading was as high as 84°·3). The lowest of the minima were recorded quite late in the week, and ranged from 29° in England S.W. and Ireland N. (at Llangammarch Wells and Markree Castle), and 32° in England N.W. to 35° in England E and to 41° in the Channel Islands.

Mean Temperature of the Sea.—A general increase in the warmth of the water was reported, the difference from the preceding week being less than a degree in many places, but more than 3° at Sheephaven.

Rainfall was less than the average generally, but exceeded it in England N.E. and the Midland Counties. During a thunderstorm at Southampton on Monday 1·12 in. of rain fell between 9.40 p.m. and 10.10 p.m.

Bright Sunshine was less than the average in all parts of the Kingdom except Ireland and the west of Scotland. In both the Irish districts the percentage of possible duration was as high as 51, but in the Midland Counties it was only 28, and in Scotland E. only 25.

Barometer and Wind.—During the earlier days of the period the general distribution of pressure over our Islands and their neighbourhood underwent several changes, and the winds consequently varied a good deal in direction. After Wednesday, however, a large anticyclone became definitely established over the Icelandic region, with relatively low pressures or cyclonic disturbances to the eastward and southward of this country. This distribution caused a brisk Northerly air current to flow over our Islands, which by the end of the week had brought about a great diminution in temperature.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 148.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient
	Rainfall ...	Very light	Very light	Heavy	Moderate	Heavy	Moderate	Light	Moderate	Light	Light	Light	Moderate
	Sunshine ...	Scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Abundant	Moderate	Moderate	Abundant	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 11 weeks from Mar. 3rd, 1907.	Warmth ...	3 * 3	3 * 3	5 * 3	5 * 1	4 * 1	4 * 2	4 * 2	4 * 2	4 * 2	3 * 2	5 * 2	4 * 4
	Rainfall ...	5 * 2	4 * 4	2 * 2	3 * 4	3 * 1	4 * 2	5 * 3	4 * 1	6 * 3	6 * 2	3 * 5	4 * 2
	Sunshine ...	2 * 2	5 * 4	6 * 1	6 * 2	3 * 2	4 * 2	2 * 3	4 * 2	3 * 3	3 * 2	4 * 3	2 * 3

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 155.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (20th)—May 12th to 18th, 1907.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	68	34	54·5	41·2	47·4	+ 0·3	41	− 3	2	− 4	4	0	0·15	−0·43	33	− 7	29	− 6
Eastern																		
1. SCOTLAND, EAST	67	33	55·4	42·0	48·3	− 0·1	44	− 8	0	− 6	2	− 2	0·09	−0·35	28	− 14	25	−12
2. ENGLAND, N.E.	82	33	56·5	43·8	49·8	+ 0·9	55	+ 3	0	− 3	4	+ 1	0·75	+0·37	36	− 5	32	− 5
3. ENGLAND, EAST	81	35	59·6	46·6	52·7	+ 1·8	75	+ 9	0	− 3	4	+ 1	0·44	+0·01	44	− 3	41	− 3
4. MIDLAND COUNTIES	82	34	59·0	44·2	51·1	+ 0·3	64	− 3	0	− 4	3	0	0·75	+0·27	34	− 8	31	− 8
5. ENGLAND, SOUTH	76	33	59·1	47·3	52·8	+ 0·5	76	+ 2	0	− 1	4	+ 1	0·39	−0·02	40	− 8	37	− 7
Western																		
6. SCOTLAND, WEST	67	34	58·0	42·5	49·8	0·0	55	− 4	0	− 3	2	− 1	0·31	−0·35	55	+ 9	49	+ 8
7. ENGLAND, N.W.	76	32	57·1	44·1	51·2	+ 0·7	64	+ 2	0	− 1	2	− 1	0·34	−0·16	38	− 8	34	− 7
8. ENGLAND, S.W...	76	29	58·8	44·7	51·3	− 0·4	65	− 4	0	− 1	1	− 2	0·11	−0·38	50	− 1	46	− 1
9. IRELAND, NORTH	62	29	55·3	42·9	48·7	− 1·5	47	− 13	0	− 1	1	− 3	0·23	−0·31	57	+ 13	51	+11
10. IRELAND, SOUTH	67	34	59·5	43·1	50·8	− 0·9	62	− 7	0	− 1	1	− 3	0·25	−0·29	55	+ 8	51	+ 8
11. ENGLISH CHANNEL	69	41	57·2	47·6	52·1	− 0·9	71	− 6	0	0	2	− 1	0·39	−0·01	44	− 13	41	−12
THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, March 3rd to May 18th, 1907.																		
0. SCOTLAND, NORTH	68	18	*	*	*	*	279	+ 18	175	− 47	57	+ 7	9·68	+1·61	334	− 3	32	0
Eastern																		
1. SCOTLAND. EAST	67	10	*	*	*	*	340	+ 8	204	− 23	40	− 2	4·96	−0·04	383†	+ 29	37	+ 3
2. ENGLAND, N.E...	82	24	*	*	*	*	431	+ 94	154	− 19	41	+ 3	4·08	−0·18	440	+ 90	42	+ 9
3. ENGLAND, EAST	81	21	*	*	*	*	486	+ 50	138	− 43	40	+ 4	4·46	+0·39	475	+ 77	46	+ 8
4. MIDLAND COUNTIES.. ..	82	18	*	*	*	*	501	+ 51	158	− 36	41	+ 6	4·80	+0·29	403	+ 42	39	+ 4
5. ENGLAND, SOUTH	76	20	*	*	*	*	505	+ 36	110	− 12	40	+ 6	5·32	+1·06	477	+ 77	46	+ 8
Western																		
6. SCOTLAND, WEST	67	23	*	*	*	*	394	+ 41	135	− 25	44	+ 2	10·05	+2·29	376	− 3	36	0
7. ENGLAND, N.W...	76	23	*	*	*	*	427	+ 51	123	− 11	43	+ 4	6·36	+0·76	406	+ 35	39	+ 3
8. ENGLAND, SW.	76	20	*	*	*	*	455	+ 9	105	+ 4	44	+ 6	7·59†	+1·49	429	+ 1	42	0
9. IRELAND, NORTH	63	26	*	*	*	*	383	− 7	83	− 44	51	+ 5	9·05	+2·71	361	+ 7	35	+ 1
10. IRELAND, SOUTH	68	27	*	*	*	*	469	0	60	− 34	53	+11	7·41	+0·60	392	0	38	0
11. ENGLISH CHANNEL	70	29	*	*	*	*	529	+ 10	6	− 24	39	− 1	5·61	+0·59	487	+ 4	48	0
THE YEAR.—Aggregates, &c., for the period of 20 Weeks, December 30th, 1906, to May 18th, 1907.																		
0. SCOTLAND, NORTH	68	8	*	*	*	*	332	+ 11	510	− 28	105	+ 9	21·76	+3·70	429	+ 2	27	0
Eastern																		
1. SCOTLAND, EAST	67	5	*	*	*	*	409	+ 5	586	+ 2	70	− 7	8·40	−1·36	545†	+ 68	35	+ 4
2. ENGLAND, N.E.	82	15	*	*	*	*	506	+ 89	497	+ 23	69	− 2	6·36	−1·29	619	+154	39	+10
3. ENGLAND, EAST	81	10	*	*	*	*	532	+ 6	517	− 3	67	− 3	7·10	−0·42	631	+ 93	40	+ 6
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	567	+ 13	535	+ 5	65	− 3	7·26	−1·40	559	+ 78	35	+ 5
5. ENGLAND, SOUTH	76	16	*	*		*	578	− 9	434	+ 53	62	− 4	8·04	−0·67	635	+102	40	+ 6
Western																		
6. SCOTLAND, WEST	67	16	*	*	*	*	469	+ 25	399	− 10	82	0	17·80	+1·03	492	+ 12	31	+ 1
7. ENGLAND, N.W.	76	15	*	*	*	*	487	+ 17	413	+ 28	77	+ 2	10·56	−0·70	552	+ 69	35	+ 4
8. ENGLAND, S.W...	76	5	*	*	*	*	535	− 62	393	+ 93	79	+ 5	12·30†	−0·83	586	+ 15	37	+ 1
9. IRELAND, NORTH	63	16	*	*	*	*	476	− 39	291	− 53	94	+ 6	14·16	+1·27	477	+ 5	30	0
10. IRELAND, SOUTH	68	11	*	*	*	*	626	− 29	251	− 8	89	+ 9	11·18	−3·20	521	− 7	33	0
11. ENGLISH CHANNEL	70	21	*	*	*	*	692	− 46	96	− 13	73	− 8	9·21	−1·72	648	− 3	40	0

† The corresponding values for some previous weeks have been slightly altered owing to receipt of further information.

May 12-18, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	53	36	49·1	40·3	44·4	- 0·3	24	5	4	0·15	- 0·27	29·1	- 9·0	25	- 8
	Stornoway	58	37	54·6	43·6	48·8	+ 1·9	48	0	5	0·21	- 0·33	27·0	- 16·4	24	- 14
0. SCOTLAND, N. — Mainland.	Wick	60	37	53·0	40·3	46·3	- 0·4	37	5	4	0·14	- 0·27	*	*	*	*
	†Lairg (Strathpeffer) ..	68	34	56·9	39·7	47·8	+ 1·3	50	6	6	0·16	- 0·33	39·8	+ 1·3	35	+ 1
	Glencarron	67	34	54·5	40·8	47·2	- 0·2	41	3	2	0·14	- 0·90	*	*	*	*
	Fort Augustus	68	38	56·0	42·3	48·7	- 0·1	47	0	2	0·10	- 0·42	37·4	+ 7·0	33	+ 6
	Fort William	64	35	57·2	41·2	48·7	- 0·5	50	2	3	0·13	- 0·70	*	*	*	*
1. SCOTLAND, E.	Nairn	66	38	55·3	42·7	48·6	+ 0·2	46	0	3	0·21	- 0·15	30·7	—	27	—
	Aberdeen	65	39	55·6	44·0	49·5	+ 1·6	53	0	4	0·08	- 0·40	32·3	- 10·1	28	- 9
	†Balmoral (Crathes) ..	60	35	51·9	37·6	44·3	- 1·0	35	12	1	0·05	- 0·48	31·0	—	27	—
	†Crieff (Balmuddery) ..	66	40	58·6	43·3	50·5	+ 1·2	60	0	0	0·00	- 0·54	30·4	—	27	—
	†Leith (Edinburgh)	67	41	56·4	44·7	50·2	+ 0·8	57	0	1	0·01	- 0·37	26·3	- 10·5	24	- 9
	Marchmont	60	33	54·3	39·7	46·6	- 0·5	42	6	1	0·20	- 0·34	19·3	- 20·7	17	- 19
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	64	37	55·5	42·4	48·6	+ 1·0	46	0	2	0·72	+ 0·23	32·0	—	29	—
	†Shields (Newcastle)	62	36	54·0	41·1	47·2	- 0·9	40	3	3	1·37	+ 1·00	21·3	- 10·9	19	- 10
	Durham	64	37	55·1	42·0	48·2	+ 0·2	43	0	3	0·89	+ 0·45	22·6	- 15·7	20	- 14
	Scarborough	63	40	55·8	44·2	49·7	+ 0·9	54	0	3	0·53	+ 0·09	40·5	—	37	—
	York	76	38	58·9	44·5	51·3	+ 1·1	65	0	5	0·40	- 0·02	30·1	- 9·5	27	- 9
2. ENGLAND, N.E. — Southern part.	Spurn Head	64	40	54·1	46·7	50·2	+ 0·9	57	0	4	0·67	+ 0·32				
	†Lincoln (Skegness)	81	34	59·4	44·4	51·5	0·0	67	0	4	0·42	+ 0·01	?52·9	—	48	—
	†Fulbeck (Rauceby)	82	33	58·8	44·8	51·4	- 0·5	66	0	4	1·02	+ 0·59	35·7	—	33	—
3. ENGLAND, E. — Northern part.	Hillington	81	38	60·7	45·3	52·5	+ 2·0	74	0	4	0·91	+ 0·48	45·3	- 0·5	42	0
	†Yarmouth (Lowestoft) ..	67	40	56·3	47·9	51·9	+ 2·5	69	0	5	0·41	+ 0·01		—		—
	Geldeston	76	36	60·4	43·7	51·6	+ 1·4	67	0	6	0·51	+ 0·11	50·0	+ 1·3	46	+ 1
	(Cromer)												51·5	—	47	—
3. ENGLAND, E. — Southern part.	Cambridge	78	37	60·8	45·7	52·8	+ 1·5	76	0	4	0·90	+ 0·49	36·1	- 8·9	33	- 8
	Felixstowe	70	38	59·1	46·9	52·6	+ 1·0	74	0	5	0·27	—	46·7	—	43	—
	Clacton-on-Sea	70	38	58·4	47·0	52·4	+ 0·9	73	0	3	0·08	—	41·5	—	38	—
	Rothamsted	78	35	59·5	45·5	52·1	+ 1·9	71	0	4	0·58	+ 0·13	40·8	- 3·2	38	- 3
	Shoeburyness	70	37	59·9	47·7	53·4	+ 1·6	80	0	2	0·08	- 0·21	*	*	*	*
	London, Westminster	79	39	60·9	49·6	54·9	+ 2·4	90	0	4	0·20	- 0·17	39·8	+ 2·6	37	+ 3
	(Dunmow)												44·5	—	41	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	68	36	55·8	42·8	48·9	+ 0·6	48	0	5	0·61	+ 0·17	29·6	—	27	—
	†Bawtry (Worksop)	82	35	58·9	42·1	50·0	- 0·4	56	0	4	0·27	- 0·13	33·0	- 5·1	30	- 5
	Nottingham	80	38	58·9	46·6	52·4	+ 1·6	73	0	2	0·99	+ 0·56	31·1	—	29	—
	Birmingham, Edgbaston ..	77	38	58·6	44·7	51·2	+ 1·2	64	0	3	2·04	+ 1·54	27·1	—	25	—
	Oxford	79	37	59·9	45·7	52·4	+ 0·9	73	0	1	0·68	+ 0·27	40·0	- 3·6	37	- 3
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) ..	76	34	57·8	43·2	50·1	+ 1·2	57	0	3	1·39	+ 0·89	30·8	—	28	—
	Shrewsbury	77	39	60·6	44·4	52·0	+ 1·1	70	0	3	0·28	—	*	*	*	*
	Hereford	75	37	60·0	43·1	51·0	- 0·1	63	0	1	0·15	- 0·31	*	*	*	*
	Cirencester	77	39	58·4	44·0	50·8	+ 0·7	62	0	1	0·46	- 0·01	39·1	- 6·4	36	- 6
	Bath	76	35	60·7	45·3	52·5	- 0·4	74	0	2	0·62	+ 0·17	40·6	—	38	—
	(Margate)												42·8	- 1·4	40	- 1
5. ENGLAND, S.	Kew	76	38	59·9	48·1	53·7	+ 1·8	82	0	4	0·27	- 0·11	43·8	- 1·2	41	- 1
	Wisley, Surrey	75	37	59·8	46·9	53·0	+ 1·2	77	0	2	0·31	—	43·0	—	40	—
	†Swarraton (Ventnor) ..	75	36	58·7	45·5	51·7	+ 1·9	68	0	3	0·34	- 0·10	28·0	- 23·0	26	- 22
	Tunbridge Wells ..	75	36	59·7	46·9	52·9	+ 2·1	76	0	4	0·16	- 0·24	43·1	- 2·9	40	- 3
	†Dungeness (Littlestone) ..	70	33	58·0	45·6	51·4	+ 0·2	66	0	5	0·46	+ 0·18	37·2	—	35	—
	Hastings	69	40	59·2	48·4	53·5	+ 2·1	81	0	5	0·26	- 0·09	42·6	- 10·3	40	- 10
	Southampton	74	40	62·1	48·5	54·9	+ 1·9	90	0	4	1·26	+ 0·82	40·2	- 8·7	38	- 8
	†Portland Bill (Worthing) ..	57	43	55·0	48·1	51·3	- 0·9	65	0	2	0·06	—	41·0	—	38	—
	(Eastbourne)												41·4	- 9·6	39	- 9
6. SCOTLAND, W.	†Laudale (Oban)	62	34	57·3	42·4	49·4	- 0·5	52	0	1	0·23	- 0·62	64·7	—	57	—
	Glasgow	63	37	56·4	43·1	49·4	+ 0·1	52	0	2	0·35	- 0·20	44·8	+ 8·0	40	+ 7
	Dumfries	66	35	59·0	42·9	50·5	+ 0·8	60	0	2	0·31	- 0·26	*	*	*	*
	Cally	67	35	60·5	40·6	50·0	+ 0·7	62	4	2	0·52	- 0·14	*	*	*	*
	Douglas, Isle of Man	67	38	57·0	43·3	49·7	+ 0·4	54	0	1	0·13	- 0·39	54·8	+ 4·0	49	+ 4
7. ENGLAND, N.W.	Aspatria	62	33	57·0	42·4	49·3	- 0·4	51	0	1	0·26	- 0·25	34·1	—	31	—
	Newton Rigg	71	32	58·3	41·5	49·4	+ 1·0	54	1	2	0·53	+ 0·05	29·8	- 14·6	27	- 13
	Stonyhurst	72	36	56·8	44·0	50·0	+ 0·5	56	0	4	0·55	- 0·05	27·1	- 16·5	25	- 15
	Blackpool	71	35	56·1	44·8	50·1	- 0·1	57	0	3	0·38	- 0·07	41·0	- 4·3	37	- 4
	Manchester, Prestwich ..	76	33	60·2	42·7	50·9	+ 1·2	62	0	4	0·84	+ 0·30	36·6	- 1·9	33	- 2
	†Liverpool Obs. (Hoylake) ..	72	40	56·1	45·3	50·4	- 0·7	59	0	3	0·35	- 0·37	40·7	—	37	—
	†Hawarden Bridge (Southport)	72	40	57·6	46·2	51·6	+ 0·2	67	0	3	0·32	- 0·01	41·2	- 6·4	38	- 6
NORTH WALES	Llandudno	65	44	57·1	46·2	51·3	+ 0·2	65	0	1	0·10	- 0·33	44·7	- 1·1	41	- 1
	†Holyhead (Aberdovey) ..	65	42	54·7	46·0	50·1	- 0·3	57	0	1	0·02	- 0·41	45·3	—	42	—
	Bettws-y-Coed	66	34	57·3	42·0	49·2	- 1·6	50	0	1	0·05	—	39·2	—	36	—
8. SOUTH WALES	Llangammarch Wells	70	29	58·5	39·6	48·5	- 1·4	56	7	0	0·00	—	46·8	—	43	—
	Pembroke	61	40	56·1	44·1	49·7	- 0·4	54	0	1	0·02	- 0·38	61·4	+ 11·4	57	+ 11
	†Cardiff (Aberystwyth)	71	38	60·3	44·3	51·8	- 0·3	69	0	1	0·01	- 0·54	44·0	—	40	—
8. ENGLAND S.W.	Clifton	76	43	61·1	47·3	53·8	+ 1·3	83	0	2	0·10	- 0·38	41·3	—	38	—
	†Shaftesbury (Marlborough)	71	38	57·8	45·4	51·2	+ 1·4	64	0	3	0·48	+ 0·01	39·7	- 1·9	37	- 2
	†Arlington (Newquay)	71	38	59·1	44·0	51·1	+ 1·3	64	0	0	0·00	- 0·63	60·5	+ 11·1	57	+ 10
	Cullompton	70	39	61·0	44·3	52·2	+ 0·4	71	0	2	0·14	- 0·32	40·7	- 4·3	38	- 4
	Plymouth	65	43	59·3	46·9	52·7	0·0	75	0	1	0·08	- 0·34	47·1	- 2·4	44	- 2
	Falmouth	59	42	55·9	46·0	50·7	- 0·9	61	0	1	0·16	- 0·33	54·4	+ 1·8	51	+ 2
	(Torquay)															
9. IRELAND, N. — Western part.	Malin Head	61	41	53·4	44·7	48·8	- 0·3	48	0	2	0·13	- 0·34	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	56	41	54·0	44·0	48·7	- 1·7	47	0	2	0·23	- 0·38	*	*	*	*
	Markree Castle	59	29	57·4	41·6	49·0	- 0·3	51	1	1	0·13	- 0·43	58·6	+ 16·3	53	+ 15
9. IRELAND, N. — Eastern part.	Armagh	62	33	58·5	40·5	49·0	- 0·8	55	4	1	0·11	- 0·39	54·7	+ 12·7	49	+ 12
	Donaghadee	57	40	53·1	43·7	48·1	- 1·6	43	0	1	0·56	+ 0·06	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	63	38	58·3	44·5	51·0	- 0·7	63	0	1	0·06	- 0·37	45·8	- 1·8	42	- 2
	Kilkenny	64	36	59·9	42·4	50·6	- 0·3	60	0	1	0·09	- 0·38	*	*	*	*
	Waterford	63	38	60·0	43·7	51·4	+ 0·4	66	0	1	0·05	- 0·41	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	63	34	60·1	42·1	50·6	0·0	30	0	2	0·08	- 0·41	51·5	+ 9·2	47	+ 8
	Foynes	62	38	58·9	41·7	49·8	- 1·2	56	1	1	0·42	- 0·08	*	*	*	*
	Killarney	67	35	62·7	41·4	51·4	- 0·1	68	2	1	0·35	- 0·32	*	*	*	*
	Valencia	61	39	58·1	44·0	50·6	- 1·1	60	0	2	0·54	- 0·13	60·7	+ 13·2	56	+ 12
	†Roches Point (Ballinacurra) ..	60	39	57·6	44·9	50·9	- 1·0	62	0	2	0·43	- 0·15	63·7	—	59	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	60	46	54·1	46·7	50·2	- 1·9	57	0	2	0·18	- 0·18	53·2	+ 0·2	50	0
	†Jersey, St. Aubins (St. Heliers)	68	41	58·7	47·6	52·8	- 0·2	76	0	3	0·60	+ 0·17	35·4	- 20·6	33	- 19
	Guernsey	69	46	58·8	48·4	53·3	+ 1·1	79	0	1	0·40	- 0·04	42·6	- 15·2	40	- 14

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 45·1 hrs., 42 %; Brighton, 40·0 hrs. (- 9·3), 37 % (- 9 %); Bournemouth, 31·3 hrs., 29 %; Bognor, 38·7 hrs., 36 %; Rhyl, 45·0 hrs., 41 %; Tenby, 62·2 hrs. (+ 12·2), 58 % (+ 11 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	45·3
	Crathes	1	30	50·4	46·3
	Balmoral	1	30	—	—
	Marchmont ..	—	—	49·7	—
2.	Cockle Park	1	29	50·2	46·9
	York	—	—	51·5	47·8
	Hull	2	29	52·3	47·6
	Lincoln	—	—	54·0	48·7
3.	Lowestoft	—	—	—	—
	Cambridge	0	33	55·7	51·5
	Dunmow	0	32	—	—
	Clacton-on-Sea ..	0	32	53·2	51·4
4.	Harrogate	1	29	49·8	47·6
	Sheffield	0	32	50·8	46·2
	— — ..				
	Birmingham	0	32	49·1	46·7
	Nottingham	0	32	53·5	48·5
	— — ..				
5.	Kew	1	29	56·2	50·2
	Canterbury	0	37	56·6	51·6
	Portsmouth	0	35	56·3	52·8
	Wisley	—	—	56·1	51·0
6.	— — ..				
	Glasgow	2	26	—	—
	— — ..				
7.	Newton Rigg ..	2	25	51·0	46·5
	Southport	0	34	55·4	51·2
	Manchester City ..	0	33	52·8	48·1
	Bettws-y-Coed ..	0	34	50·9	47·7
	— — ..				
8.	Llangammarch Wells	3	21	52·3	47·8
	Bath	—	—	55·2	51·5
	Plymouth	0	36	54·9	—
	— — ..				
9.	Armagh	3	26	52·4	49·1
	Markree Castle ..	1	25	—	—
10.	Dublin, Trin. Coll. ..	2	28	52·9	50·0
11.	Guernsey, Brooklyn	0	38	54·1	51·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·8
	Kirkwall	51	45	48·3
	Wick	46	45	45·4
SCOTLAND, E.	Cromarty	50	45	46·5
	Pennan Bay	50	46	48·2
	Aberdeen, Cove Bay ..	47	46	46·5
ENGLAND, N.E.	Burnmouth, Berwick ..	47	44	45·4
	Scarborough	49	45	47·2
ENGLAND, E.	Shipwash Lightship ..	51	48	49·6
	Margate‡	57	54	54·7
ENGLAND, S.E.	Eastbourne‡	53	52	52·6
SCOTLAND, W.	Lamlash	50	46	47·1
	Ballantrae	50	48	48·7
ENGLAND, N.W.	Port Erin	50	48	48·6
ENGLAND, S.W.	Newquay	54	52	53·1
	Plymouth‡	53	51	52·0
	Salcombe	52	49	49·9
IRELAND, N.W.	Sheephaven	53	50	51·6
	Ballyglass*	54	47	50·4
IRELAND, S.W.	Cleggan	54	50	51·4
	Seafield	55	50	52·6
IRELAND, E.	Kingstown‡	50	49	49·3

* Morning observations only. ‡ Only one observation each day.

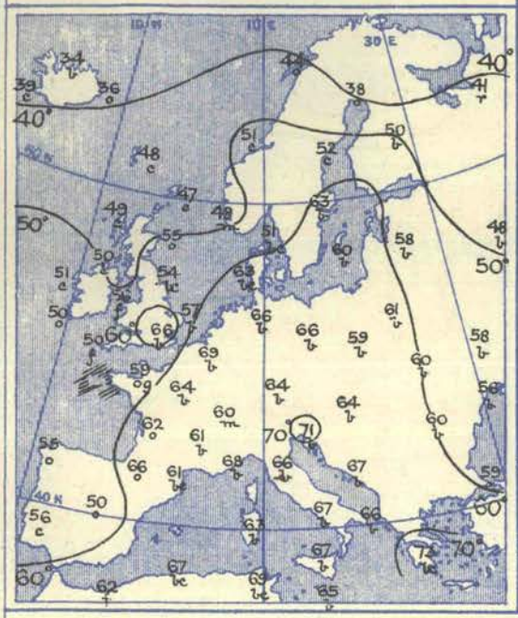
Corrections and Additions for April, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

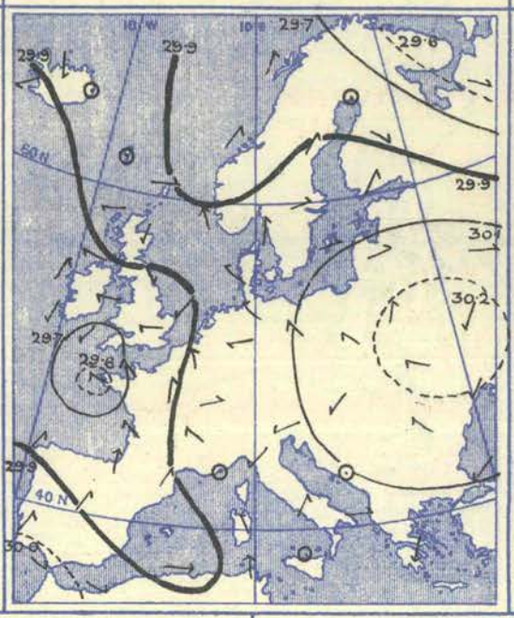
Number and Page of Report.	Numbers of Districts and Names of Stations.		Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 16, p. 122	0. Scotland, North		—	—	—	—	—	—	—	—	—	0·45	−0·15	—	—	—	—
No. 16, p. 122	8. England, SW.		—	—	—	—	—	—	—	—	—	0·73	+0·19	—	—	—	—
No. 17, p. 130	10. Ireland, South		—	—	—	—	—	—	—	—	—	0·32	−0·35	—	—	—	—
Station Values.—Additions.																	
No. 16, p. 123	Lairg	S	54	33	50·0	36·3	42·8	+0·6	30	16	6	0·25	−0·29	—	—	—	—
No. 17, p. 131	Killarney		65	35	58·9	44·6	51·4	+2·7	66	0	4	0·50	−0·25	—	—	—	—
Station Values.—Corrections.																	
No. 14, p. 107	Aspatria		—	—	—	36·9	46·4	+3·4	52	14	—	—	—	—	—	—	—
No. 14, p. 107	Marlborough		—	—	—	—	—	—	—	—	—	—	—	34·6	+ 4·8	38	+ 5
No. 15, p. 115	Strathpeffer		—	—	—	—	—	—	—	—	—	—	—	22·9	- 8·4	24	- 9
No. 15, p. 115	Scarborough	M	—	—	—	—	—	—	—	—	—	—	—	28·9	—	30	—
No. 15, p. 115	Shrewsbury		—	34	—	37·8	43·9	−1·2	—	12	—	—	—	—	—	—	—
No. 15, p. 115	Stonyhurst		—	—	—	—	—	—	—	—	3	0·21	−0·40	—	—	—	—
No. 16, p. 123	Strathpeffer		—	—	—	—	—	—	—	—	—	—	—	27·0	- 6·4	27	- 6
No. 16, p. 123	York		—	—	—	—	—	—	—	—	2	0·09	−0·29	—	—	—	—
No. 16, p. 123	Fulbeck		—	—	—	35·4	42·4	−3·5	31	18	—	—	—	—	—	—	—
No. 16, p. 123	Arlington		—	—	—	?	?	?	?	?	—	—	—	—	—	—	—
No. 16, p. 123	Plymouth		—	—	—	40·3	46·3	−2·3	—	5	4	1·01	+0·46	—	—	—	—
No. 16, p. 123	Markree Castle		—	—	—	36·3	43·7	−2·3	36	16	—	—	—	—	—	—	—
No. 17, p. 131	Strathpeffer		—	—	—	—	—	—	—	—	—	—	—	46·2	+11·2	44	+11
No. 17, p. 131	Scarborough	M	—	40	57·0	44·6	50·5	+4·7	60	—	—	—	—	—	—	—	—
No. 17, p. 131	Oban		—	—	—	—	—	—	—	—	—	—	—	34·5	—	34	—
No. 17, p. 131	Pembroke		—	—	—	—	—	—	—	—	—	0·57	+0·12	—	—	—	—
No. 17, p. 131	Shaftesbury	M	65	—	54·1	—	47·5	+0·8	41	—	—	—	—	—	—	—	—
Station Values :—Corrections, March.																	
No. 11, p. 83	Swarraton	M	—	—	—	35·8	41·5	+0·8	—	25	—	—	—	—	—	—	—
Station Values :—Corrections.														No. of obs. of 30° or less.	Lowest Reading.	Mean earth Temp. 1 ft.	Mean earth Temp. 4 ft.
Grass Temperatures.																	
No. 15, p. 116	Plymouth		—	—	—	—	—	—	—	—	—	—	—	0	31	—	—
No. 16, p. 124	Llangammarch Wells		—	—	—	—	—	—	—	—	—	—	—	—	—	44·7	—

Sunday, 12th May, 1907.

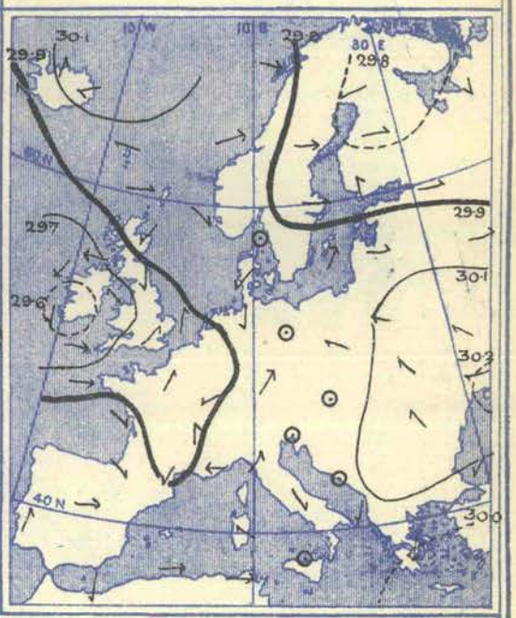
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fair or fine and bright over our area as a whole, but cloudy or dull in the west of France and in the south-west of this country, with showers at Pembroke and fog at Scilly and Holyhead. Thunderstorms later in the north-west of England and over Wales, and rain in many parts of our Islands, as well as in the west and south of France and in Finland. As much as 1·0 in. falling at Bordeaux.

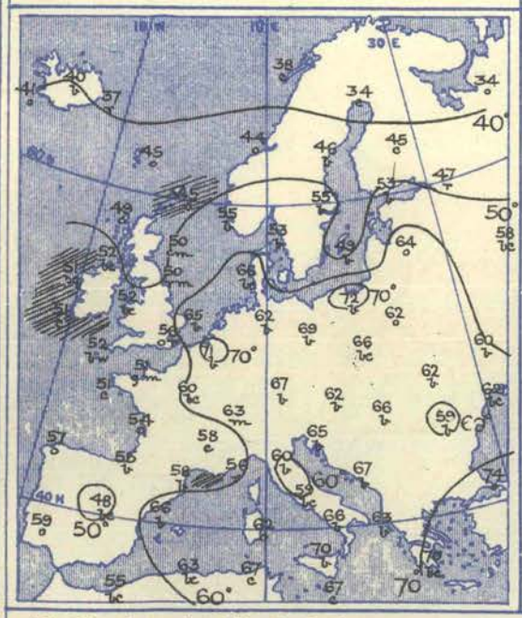
Temperature changed rather irregularly, but risen in most regions. Readings in morning above 70° in Greece, only a little lower in some other southern localities, and above 60° over the Baltic and the inland counties of England. Below 40° in Iceland and the extreme north of Sweden. Maxima during day as high as 88° at some German and Dutch stations, and above 80° in several Mediterranean districts. Thermometer rising to 79° in London, 80° at Margate, 82° at Fulbeck, and to 84° at Great Billing. Temperature remaining below 60° in Scotland, but rising to above 70° over the north-west of England and to 77° at Stockholm.

Wind in morning showing a cyclonic circulation of little strength around the Bay of Biscay and an extensive anticyclonic movement over the eastern half of our area. Light and rather variable winds prevailing over the south of Europe. A Westerly current, strong to a gale, setting in later along the coast of Algeria.

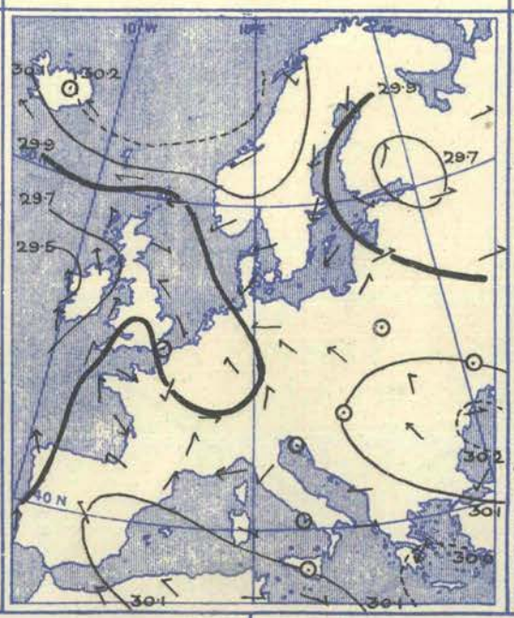
Barometer in morning ranging from above 30·2 ins. in a very large anticyclone having its centre over the west of Russia to less than 29·6 ins. in a depression with its minimum off the north-west of France. Latter system travelling north-north-westwards during day and increasing in depth, but high pressure either giving way somewhat or moving in a south-easterly direction. Pressure increasing over the Icelandic region and also over the Spanish Peninsula and the Bay of Biscay.

Monday, 13th May, 1907.

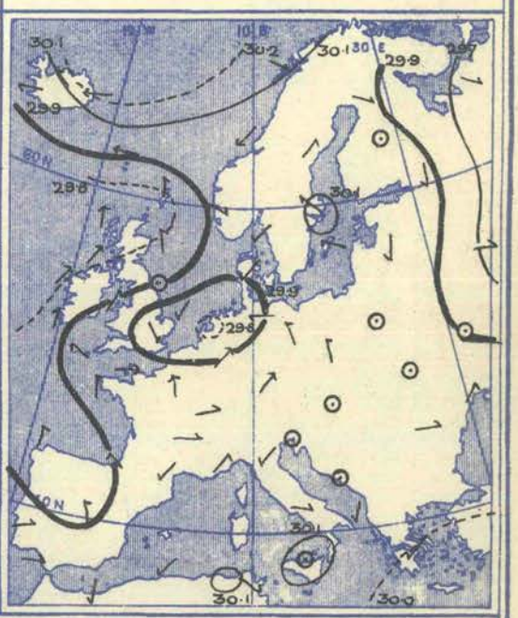
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning dull and rainy in some parts of England and France and also in the north of Russia, but fair or fine over our area generally. Rain experienced later in various parts of these Islands and their vicinity, and thunder or thunderstorms occurring in some parts of England and on the eastern shores of the North Sea. Largest rain measurement, 0·7 in. at Oxford.

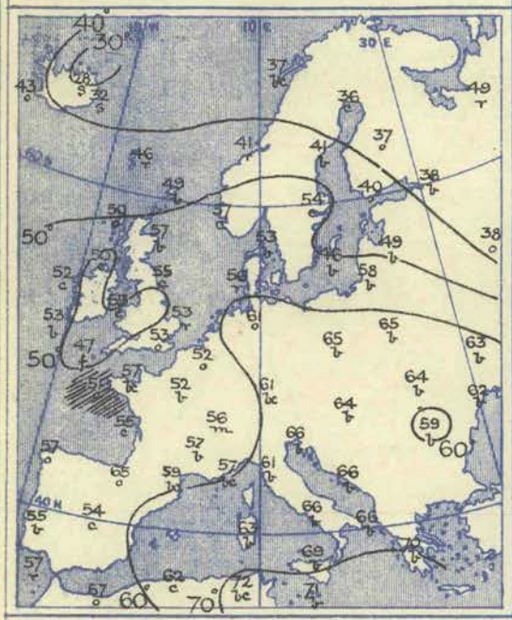
Temperature fallen generally, risen over East Anglia. Readings in morning 74° at Constantinople, 72° at Neu-Fahrwasser, 70° at Athens and Patras and also at Palermo. Still below 40° in the far north of our area. Rising subsequently to 90° at Groningen, 86° at Hamburgh, and to 80° or above over a very considerable portion of our area, but failing to reach 65° at most of our own stations, and only touching 53° at Portland Bill.

Wind in morning mainly cyclonic except in the south and south-east of our area and over the Icelandic region. Light or moderate generally, but fresh to high from the Southward on the west coast of Ireland and on the coast of Portugal, and fresh or strong from the Northward in Sweden. Wind increasing to a fresh gale from South at Blacksod Point during morning, and cyclonic movement becoming more clearly defined around the Netherlands.

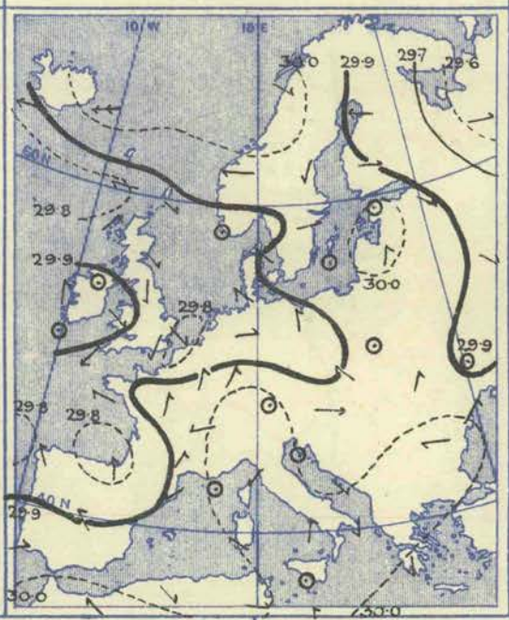
Barometer in morning above 30·2 ins. over the Black Sea and also between Iceland and Norway, and above 30·1 ins. over a large portion of the Mediterranean. Below 29·7 ins. in a depression over Finland, and less than 29·5 ins. in another system off the north-west of Ireland. Relatively low over the Netherlands and the surrounding regions, and also to the westward of Portugal. Finnish disturbance travelling eastwards during day, and that off Ireland moving northwards. Pressure giving way over the south of Russia; another disturbance appearing over the Iberian Peninsula.

Tuesday, 14th May, 1907.

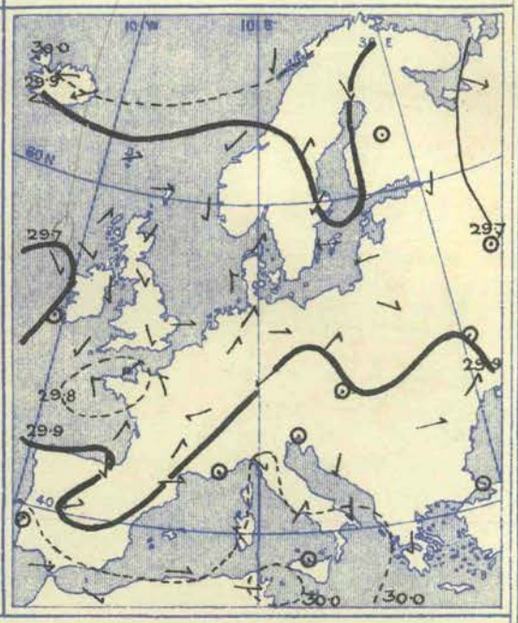
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater portion of the Continent, but dull in the west of France and rainy at San Fernando, Oporto, Fanö, and Christiansund. Fine in Scotland, but overcast, with rain, in many parts of England. Snow rather general in Iceland. Very heavy rain later in various parts of central and north-eastern England. 1·27 in. at North Shields and 2·00 ins. at Birmingham. A thunderstorm occurring at the last named place and also in the west of France.

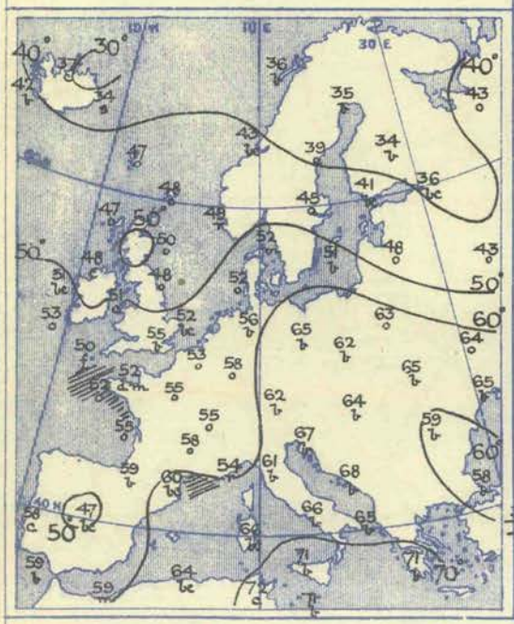
Temperature changed irregularly generally; risen in Scotland, fallen briskly over the Low Countries and round about the Gulf of Finland. Readings in morning about 70° at several stations in the far south and as high as 66° at Swinemünde. Below 40° over a large part of northern Russia and Finland, and below the freezing point at Grimstadir. Thermometer subsequently rising to 91° at Tunis to a little above 80° in Austria-Hungary, and to nearly as high a figure in Germany and Italy. Maxima below 60° over most of England, and no higher than 52° at Nottingham.

Wind in morning generally light or moderate in force, but varying greatly in direction. Mainly Easterly in the far north of our area, and blowing a gale at Seydisfjord. A high Southerly wind prevailing at Aumale. No change of a general character occurring during day.

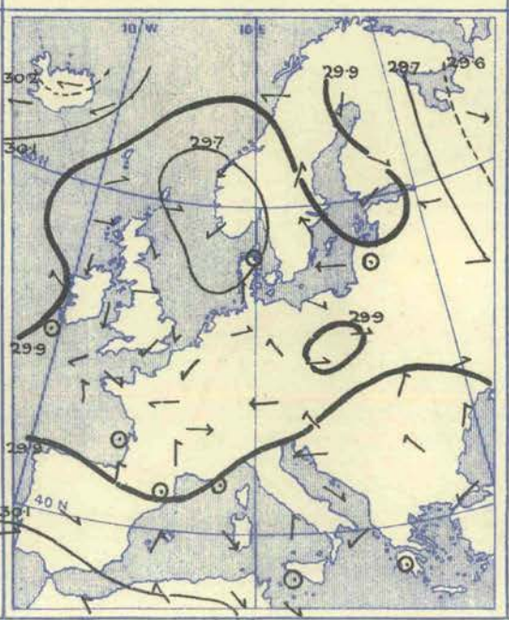
Barometer in morning showing a most irregular distribution of pressure. Relatively high over the region between Iceland and Norway, the Baltic Provinces of Russia, and in an irregularly shaped system covering an extensive area over central and southern Europe. Lowest in depressions situated over the Bay of Biscay, between this country and Iceland, and off the south-east coast of England, and in another disturbance in the north of Russia. Subsequent changes slight but very irregular, and general distribution of pressure continuing complex.

Wednesday, 15th May, 1907.

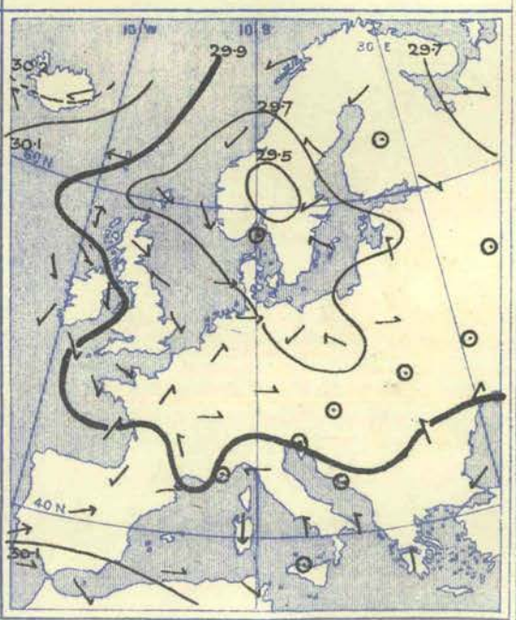
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most regions, but cloudy or overcast at most of our own stations as well as in the north of France and the west of Norway, with rain in some places. Thunderstorms later in several French localities and rain nearly all day at Paris and Jersey. Measurement at the latter station, 1·9 in. Rain also falling in Portugal, the north of Italy, and in various other regions.

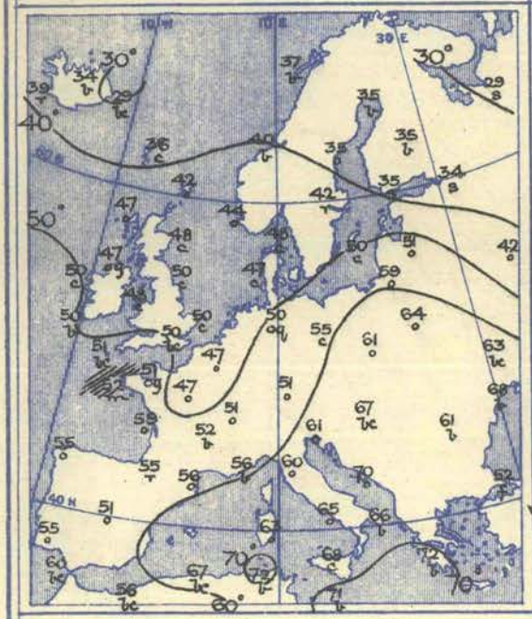
Temperature fallen as a whole. Readings in morning above 60° over central Europe and as high as 70° in Greece. Below 50° at many of our own stations, and less than 40° in the far north-east and north of Europe, and also over the greater portion of Iceland. Rising later to about 80° in many parts of southern Europe and Austria-Hungary and at some German stations, but remaining below 60° in nearly all parts of these Islands, and only reaching 52° at Jersey.

Wind in morning irregularly cyclonic over all the western and north-western countries, and generally of little force, but Easterly current strong at Stockholm and high at Wisby. Light variable airs prevailing in the east and south-east of Europe. No general change later.

Barometer in morning above 30·2 ins. to the northward of Iceland, and above 30·1 ins. over the north-west of Africa. Below 29·7 ins. in a large shallow depression over the North Sea and the adjacent portion of Norway, and less than 29·8 ins. in a long band extending from the Continent to the mouth of the English Channel. North-western high pressure system extending towards our Islands during day, and barometer rising over the whole of the Kingdom and also in France. North Sea disturbance travelling eastwards to Norway and increasing in intensity.

Thursday, 16th May, 1907.

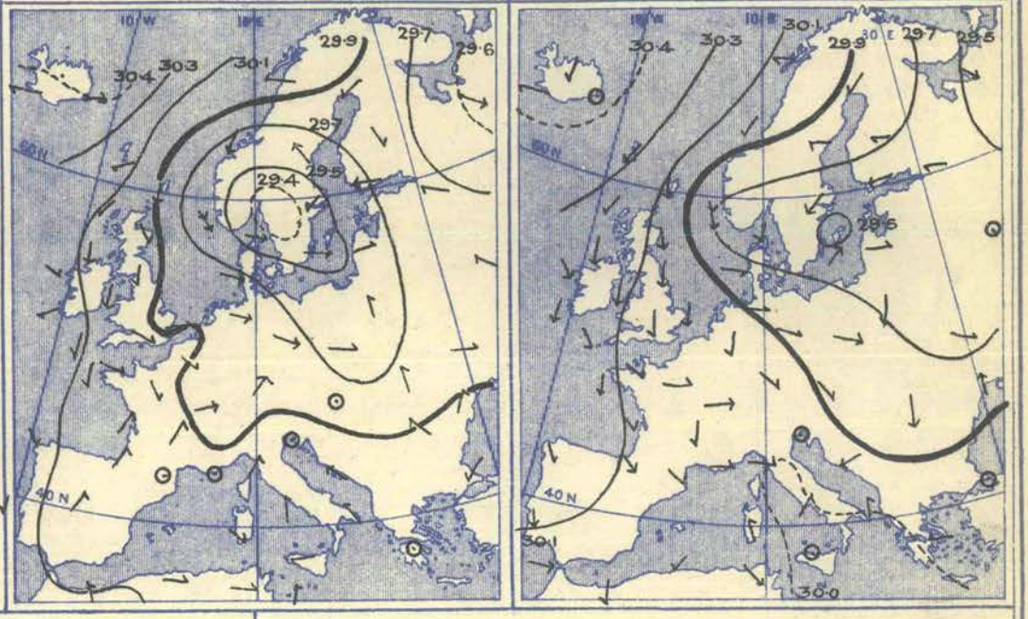
Temperature and Weather. 8 a.m.



Weather in morning fair or fine over the greater portion of our area, but overcast in places, and rainy over the Straits of Dover, at Aix-la-Chapelle, Vienna, and in the south of Scandinavia, and snow falling in the north of Russia. More than an inch of rain falling later at Toulouse, various amounts in several other localities on the Continent, and slight quantities in the east of England and over Scotland.

Temperature fallen in most places. Readings in morning about 70° at some stations in the extreme south, and 60° or above in Hungary and Poland. Below 32° in the north of Russia and the east of Iceland, and below 45° in the north of the Continent generally, as well as at some of our own northern stations. Maxima during day below 60° at almost all our own stations, and below 50° in the north-east of Scotland. Thermometer rising to about 80° in Austria-Hungary, Italy and Greece.

Barometer and Wind. 8 a.m. and 6 p.m.

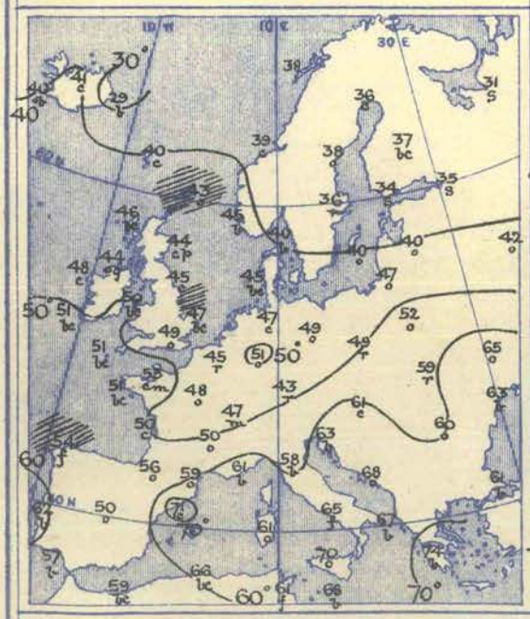


Wind in morning showing a very extensive cyclonic circulation around Scandinavia; moderate or light in force generally, but North-Westerly current blowing a gale at Skudesnaes. Light variable airs prevailing over the Mediterranean and Russia. Northerly and North-Easterly winds increasing in force by evening over the southern part of Scandinavia, but little change taking place elsewhere.

Barometer in morning above 30·4 ins. over the north of Iceland. Below 29·4 ins. in a large depression having its centre over the south of Sweden, and less than 29·6 ins. in another system in the far north of Russia; relatively low in several small irregularities of pressure. Swedish disturbance increasing in depth during day. Barometer rising over all the western regions of our area, and Arctic anticyclone extending towards these Islands.

Friday, 17th May, 1907.

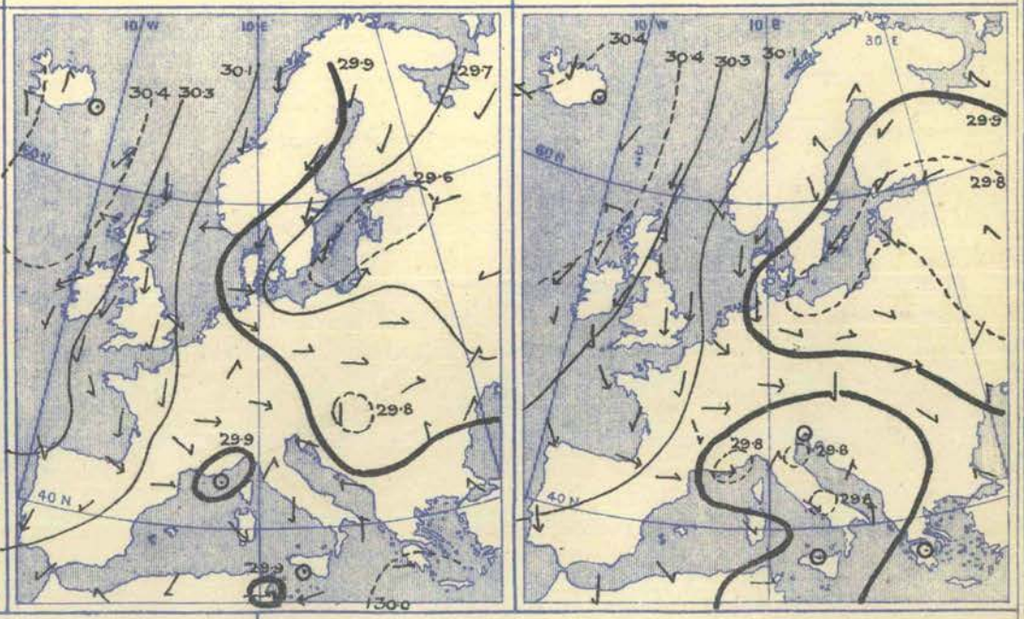
Temperature and Weather. 8 a.m.



Weather in morning dull and unsettled over the Baltic and Gulf of Finland, with snow in the latter region. Fair or fine generally, but rainy in various parts of central Europe, as well as at Brussels and Limoges, and showery at Aberdeen. Rain falling later in many Continental localities, and some hail or rain showers in the east of Great Britain. A thunderstorm occurring at Nice, but scarcely any rain falling.

Temperature fallen in nearly all regions. Readings in morning below 50° over Europe generally, but above 60° over the south of Russia and in the southern countries generally, and above 70° in Greece. Frost prevailing at Archangel and Seydisfjord. Rising later to 80° in Greece and at Sfax and Oporto, and to nearly as high a figure in several other southern districts, but remaining below 60° in the north of France and in all parts of Great Britain, and below 50° at some stations in the north-east.

Barometer and Wind. 8 a.m. and 6 p.m.

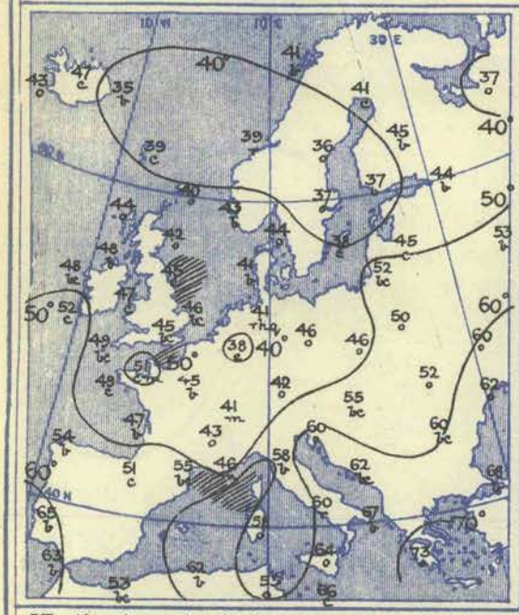


Wind in morning mainly Northerly over all the western countries and light in force except in the south of Scandinavia. Variable in the Mediterranean region, Westerly over central Europe, and Southerly at many Russian stations. Little change in direction during day, but some increase in force taking place on our south-east coast and on the coast of Holland.

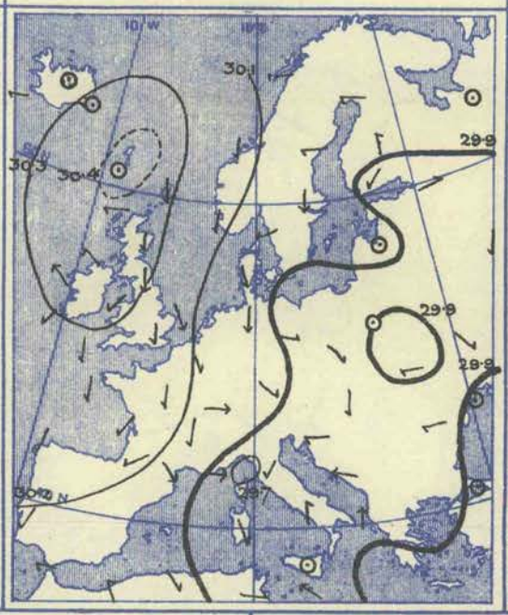
Barometer in morning ranging from above 30·4 ins. in an anticyclone between this country and Iceland to less than 29·6 ins. in a depression over the Gulf of Finland and the adjacent part of the Baltic. Relatively low in other disturbances further to the south. Baltic disturbance apparently moving eastwards to central Russia during day. A depression over the Gulf of Genoa growing deeper, and pressure decreasing over the Mediterranean as a whole. Barometer changing very little over our Islands, but rising in most places.

Saturday, 18th May, 1907.

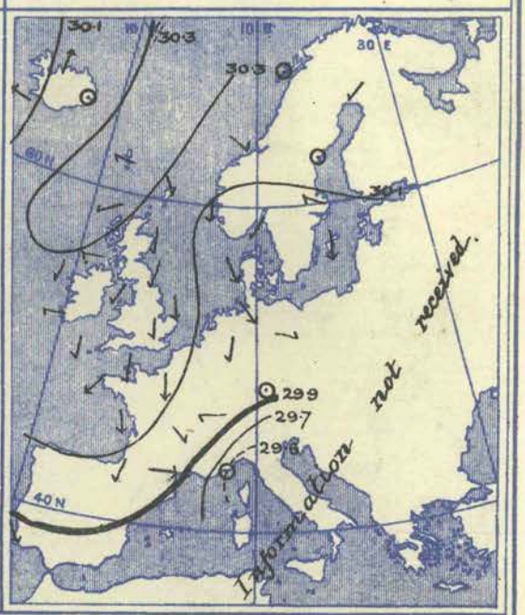
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in Scotland, over central Europe, and in a few localities elsewhere, but fine or fair generally. Showers of rain or hail experienced later in the east of England, and more or less rain in some Continental districts—as much as 0·75 in. at Nice. Many hours of bright sunshine recorded in England and Ireland, very little in Scotland.

Temperature risen in Iceland and at many places in northern Europe, fallen almost everywhere else. Readings low for the time of year over our Islands, France, and all the countries of central Europe—lower in the south-east of England and the east of France than in some parts of Iceland. Readings above 70° in Greece and above 60° at many other Mediterranean stations, as well as in Little and South Russia. Thermometer remaining below 50° over a large portion of the north-east of Great Britain and only a few degrees above that point in the south, but maximum 61° at Birr Castle. Temperature only slightly exceeding 60° in the south of France and falling to exceed 46° at Munich, but rising to 77° at Lisbon.

Wind in morning Northerly to North-Easterly over all the north-western and western countries; light or moderate generally, but strong at Faerder and fresh at the Helder and Yarmouth. An irregular cyclonic circulation of little intensity prevailing over Italy and its vicinity, and light variable airs in Russia. No change of a general character during day; South-Easterly current becoming more pronounced in Iceland.

Barometer in morning above 30·4 ins. in a large anticyclone having its centre about halfway between Scotland and Iceland, and below 29·7 ins. in an elongated depression with it minimum over the Gulf of Genoa. Latter system increasing in depth by evening and pressure giving way within the anticyclonic region—rather briskly in Iceland. Barometer rising somewhat over northern Europe and also in Portugal.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze, ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,500 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
May 13th, 6.27 p.m. to 6.33 p.m.	Totland Bay, Isle of Wight, 150 ft.	Temperature F.								* Max. velocity about 1,600 ft. Decreasing above up to cloud level at 3,300 ft.; c.l. to North at 10 p.m. Cloud height at 10 p.m. from reflection of Bournemouth lights, approximately 4,700 ft.
		Humidity								
		Wind Velocity, m. per hr.	NW ½ N, 10	NNW, 25	[N, 2]					
May 14th, 6.53 p.m. to 7.8 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Wind veering temporarily to ESE at 2,800 ft. Sky overcast. A balloon sent up at 6.25 p.m. fell 17 miles N 15° E, near Southampton.
		Humidity								
		Wind Velocity, m. per hr.	NE by N ½ N, 4	N, 8	NW by N, 3	WSW, 16	WSW, 18			
May 16th, 7.17 p.m. to 7.45 p.m.	Totland Bay, Isle of Wight, 150 ft.	Temperature F.								* At 3,500 metres, NW, 20; at 4,000 metres, NW, 29. Wind backing up to 4,500 ft.
		Humidity								
		Wind Velocity, m. per hr.	N, 10	N ½ W, 20	NNW, 19	NNW, 22	NW ½ N, 18	NW ½ N, 18	NW, 22	
May 16th, 9.50 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	51°	44°	[36°]					One kite, 3,300 ft. wire. Max. height, 2,600 ft. Clouds, 2,600 ft. Very light wind. Sunny afternoon.
		Humidity	80%	90%	[100%]					
		Wind Velocity, m. per hr.	NW, 11	NNW, 18	[NNW, 18]					
May 17th, 6.43 p.m. to 6.56 p.m.	Totland Bay, Isle of Wight, 150 ft.	Temperature F.								* Velocity fairly uniform above 2,000 ft. S.-Cu.; cloud level, 6,600 ft.
		Humidity								
		Wind Velocity, m. per hr.	N ½ E, 10	N by E, 17	N ½ E, 17	N ½ W, 17	[NNW, 19]			
May 17th, 2.30 p.m. to 3.20 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	53°	48°						One kite, 77 sq. ft.; Max. height, 2,200 ft. Cumulus cloud not reached. Cloud heights, 4,000 to 7,000 ft., by two theodolites.
		Humidity	75%	80%						
		Wind Velocity, m. per hr.	N by W, 12	N, 18		N, 15				
May 18th, 6.53 p.m. to 7.9 p.m.	Totland Bay, Isle of Wight, 220 ft.	Temperature F.								* Wind direction remarkably uniform. S.-Cu.; balloon entered a small cloud at 8,200 ft.
		Humidity								
		Wind Velocity, m. per hr.	N by E, 10	NNE, 23	NNE, 26	NNE, 23	NNE, 23			
May 18th, 9.55 a.m. to 11.36 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	46°	39°	30°?	21°?				Two kites, 154 sq. ft.; 8,000 ft. wire. Max. height, 5,500 ft. Clock stopped. Lowest temperature, 18°. Humidity, between 70°/, and 100°/, throughout. Cloud level, 4,500 ft. The chart showed great variations of temperature at the same height.
		Humidity	70%	80%						
		Wind Velocity, m. per hr.	N by W, 18	N, 20	N, 20	N by E, 20				
May 18th, 10.25 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature F.	48°	41°	[32°]					One kite, 77 sq. ft.; 3,500 ft. wire. Max. height, 2,700 ft. Heavy cumulus, with intervals of clear sky. Convection currents.
		Humidty	70%		[70%]					
		Wind Velocity, m per hr.	NNE, † 20	NNE, 25	[NE by N, 25]					

† Estimated.

* Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *May 22nd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 21. TWENTY-FIRST WEEK, ENDING SATURDAY, MAY 25TH, 1907. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—The general condition was very unsettled. Rain fell frequently in all districts and in most places in the midlands and north-east of Britain was sometimes heavy, while several places experienced heavy showers of hail. Thunderstorms occurred in many places during the later days of the week, mostly on Friday or Saturday, the lightning during the evening of the latter day being very vivid and abundant. A good deal of fog and mist visited various parts of the coast late in the week.

Temperature was low everywhere, the defect from the average ranging from nearly 3° in Scotland N. and the Channel Islands to 5° or more in the Midland Counties, Scotland E., and England N.W. The maxima were only about 50° during the early days of the week, but towards the end the thermometer rose very generally, and on Saturday reached a maximum of about 70° over the major portion of the country; in Scotland E., however, the highest point touched was 62°, and in the Channel Islands 65°. The lowest of the minima, recorded during the first half of the week, were as low as 27° in England S.W. (at Llangammarch Wells), and between 30° and 32° in all other districts except Ireland N. and the Channel Islands, where the lowest readings were 36° and 37° respectively. By the end of the week many of the minima were as high as were the maxima on Sunday and Monday.

Mean Temperature of the Sea.—The water was rather colder than during the preceding week on some parts of the coast, but generally there was an increase in temperature—slight at most stations, but at some places along the western and south-western coasts it was more than 1°, and at Ballyglass 2·5°. The actual figures varied from about 54° at Margate and Newquay, and 53° on the north-west coast of Ireland, to about 46° at Lerwick and Wick, and to 45·5° at Burnmouth.

Rainfall exceeded the average except in Scotland W., England N.W., and Ireland S., the excess being very large in England N.E. At Lincoln as much as 1·25 in. fell during the night of the 23rd, and falls only slightly smaller also occurred at some Scottish stations. Measurements of 0·5 in. and above were rather common in the north and north-east of Britain.

Bright Sunshine was less than the average in all districts, the deficit in most cases being large. The percentage of possible duration ranged from 42 in Ireland S. and 34 in England E. to 18 in the Midland Counties, and to 13 in Scotland E.

Barometer and Wind.—Owing to the presence of a high pressure system over the Icelandic region, and depressions over the Spanish peninsula and the Bay of Biscay, the general direction of the wind over the United Kingdom was between East and North-East. The cyclonic systems were not deep, and the winds were consequently of little strength. During Wednesday, however, when a depression reached Scotland from the eastward, the North-Easterly wind became strong or high on our extreme northern coasts. On Friday, one of the southern disturbances advanced so far over these Islands that the wind veered to South and South-West over all the southern and south-eastern counties of England, but as the depression subsequently travelled away to the Atlantic the change in direction was only temporary.

THE WEEK

For explanation of the terms "Unusual," &c., *see* p. 164.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient
	Rainfall ...	Heavy	Moderate	Very heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Light	Heavy
	Sunshine ...	Moderate	Very scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Moderate	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 12 weeks from Mar. 3rd, 1907.	Warmth ...	3 * 4	3 * 4	5 * 4	5 * 2	4 * 2	4 * 3	4 * 3	4 * 3	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	4 * 4	3 * 2	4 * 4	4 * 1	4 * 2	5 * 3	4 * 1	6 * 3	7 * 2	3 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 5	6 * 2	6 * 3	3 * 3	4 * 3	2 * 4	4 * 3	3 * 4	3 * 3	4 * 3	2 * 4

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (21st)—May 19th to 25th, 1907.

DISTRICTS. (See p. 163.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	69	30	52·9	39·8	45·9	- 2·7	37	- 14	6	+ 2	4	0	0·79	+0·26	38	- 2	32	- 2
Eastern																		
1 SCOTLAND, EAST	62	30	49·9	40·1	44·7	- 5·3	27	- 34	5	+ 2	6	+ 3	0·50	+0·03	15	- 28	13	- 24
2. ENGLAND, N.E.	69	32	53·0	40·6	46·5	- 4·2	37	- 25	4	+ 3	5	+ 2	1·08	+0·68	25	- 16	22	- 14
3. ENGLAND, EAST	71	31	58·0	41·6	49·3	- 3·4	53	- 24	1	0	6	+ 3	0·66	+0·22	37	- 11	34	- 10
4. MIDLAND COUNTIES	70	30	55·7	40·3	47·6	- 5·0	46	- 31	5	+ 3	5	+ 2	0·79	+0·27	20	- 22	18	- 20
5. ENGLAND, SOUTH	70	32	57·6	42·3	49·5	- 4·5	53	- 32	0	0	5	+ 2	0·52	+0·08	33	- 15	30	- 14
Western																		
6. SCOTLAND, WEST	68	30	54·3	40·3	46·9	- 4·4	41	- 27	5	+ 4	4	0	0·61	-0·04	22	- 24	19	- 21
7. ENGLAND, N.W.	68	30	54·0	40·3	46·7	- 5·4	40	- 32	5	+ 4	4	+ 1	0·29	-0·23	29	- 18	25	- 16
8. ENGLAND, S.W...	68	27	56·2	41·1	48·2	- 4·9	47	- 32	3	+ 2	5	+ 2	0·60	+0·10	28	- 22	26	- 20
9. IRELAND, NORTH	70	36	54·5	41·5	47·6	- 4·0	41	- 27	1	0	4	0	0·69	+0·15	35	- 9	31	- 8
10. IRELAND, SOUTH	70	31	57·6	40·3	48·5	- 4·5	53	- 24	5	+ 5	4	+ 1	0·18	-0·39	47	- 1	42	- 1
11. ENGLISH CHANNEL	65	37	57·3	46·1	51·4	- 2·9	66	- 20	0	0	3	0	0·81	+0·32	34	- 22	31	- 21

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 12 Weeks, March 3rd to May 25th, 1907.

0. SCOTLAND, NORTH	69	18	*	*	*	*	316	+ 4	181	- 45	61	+ 7	10·47	+1·87	372	- 5	32	0
Eastern																		
1. SCOTLAND, EAST	67	10	*	*	*	*	367	- 26	209	- 21	46	+ 1	5·46	-0·01	398	+ 1	34	0
2. ENGLAND, N.E...	82	24	*	*	*	*	468	+ 69	158	- 16	46	+ 5	5·16	+0·50	465	+ 74	40	+ 6
3. ENGLAND, EAST	81	21	*	*	*	*	539	+ 26	139	- 43	46	+ 7	5·12	+0·61	512	+ 66	45	+ 6
4. MIDLAND COUNTIES.. ..	82	18	*	*	*	*	547	+ 20	163	- 33	46	+ 8	5·59	+0·56	423	+ 19	37	+ 2
5. ENGLAND, SOUTH	76	20	*	*	*	*	558	+ 4	110	- 12	45	+ 8	5·84	+1·14	510	+ 62	45	+ 6
Western																		
6. SCOTLAND, WEST	68	23	*	*	*	*	435	+ 14	140	- 21	48	+ 2	10·66	+2·25	398	- 22	34	- 2
7. ENGLAND, N.W...	76	23	*	*	*	*	467	+ 19	128	- 7	47	+ 5	6·65	+0·53	435	+ 18	38	+ 2
8. ENGLAND, SW.	76	20	*	*	*	*	502	- 23	108	+ 6	49	+ 8	8·19	+1·59	457	- 21	40	- 2
9. IRELAND, NORTH	70	26	*	*	*	*	424	- 34	84	- 44	55	+ 5	9·74	+2·86	396	- 3	34	0
10. IRELAND, SOUTH	70	27	*	*	*	*	522	- 24	65	- 29	57	+12	7·59	+0·21	439	- 1	38	0
11. ENGLISH CHANNEL	70	29	*	*	*	*	595	- 10	6	- 24	42	- 1	6·42	+0·91	521	- 18	46	- 2

THE YEAR.—Aggregates, &c., for the period of 21 Weeks, December 30th, 1906, to May 25th, 1907.

0. SCOTLAND, NORTH	69	8	*	*	*	*	369	- 3	516	- 26	109	+ 9	22·55	+3·96	467	0	28	0
Eastern																		
1. SCOTLAND, EAST	67	5	*	*	*	*	436	- 29	591	+ 4	76	- 4	8·90	-1·23	560	+ 10	33	+ 2
2. ENGLAND, N.E.	82	15	*	*	*	*	543	+ 64	501	+ 26	74	0	7·44	-0·61	644	+138	38	+ 8
3. ENGLAND, EAST	81	10	*	*	*	*	585	- 18	518	- 3	73	0	7·76	-0·20	668	+ 82	39	+ 5
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	613	- 18	540	+ 8	70	- 1	8·05	-1·13	579	+ 56	34	+ 3
5. ENGLAND, SOUTH	76	16	*	*		*	631	- 41	434	+ 53	67	- 2	8·56	-0·59	668	+ 86	39	+ 5
Western																		
6. SCOTLAND, WEST	68	16	*	*	*	*	510	- 2	404	- 6	86	0	18·41	+0·99	514	- 12	30	- 1
7. ENGLAND, N.W.	76	15	*	*	*	*	527	- 15	418	+ 32	81	+ 3	10·85	-0·93	581	+ 52	34	+ 3
8. ENGLAND, S.W...	76	5	*	*	*	*	582	- 94	396	+ 95	84	+ 7	12·90	-0·73	614	- 8	36	- 1
9. IRELAND, NORTH	70	16	*	*	*	*	517	- 66	292	- 53	93	+ 6	14·85	+1·42	512	- 5	30	0
10. IRELAND, SOUTH	70	11	*	*	*	*	679	- 53	256	- 3	93	+10	11·36	-3·59	568	- 7	33	0
11. ENGLISH CHANNEL	70	21	*	*	*	*	758	- 66	96	- 13	76	- 8	10·02	-1·40	682	- 25	40	- 1

May 19-25, 1907.			Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	56	36	49·6	40·4	44·7	- 1·1	26	4	3	0·11	- 0·31	49·0	+ 10·9	41	+ 9
		Stornoway	66	36	52·6	41·9	46·9	- 1·1	35	0	4	0·48	- 0·05	52·6	+ 8·8	45	+ 8
	Mainland.	Wick	57	37	52·3	40·6	46·1	- 1·9	35	4	4	0·67	+ 0·26	*	*	*	*
		†Lairg (Strathpeffer) ..	65	30	53·2	37·8	45·0	- 2·9	39	12	6	1·43	+ 0·95	23·4	- 15·5	20	- 13
		Glencarron	68	31	54·5	39·3	46·4	- 2·4	42	8	4	1·14	+ 0·14	*	*	*	*
		Fort Augustus	55	31	51·4	39·4	45·0	- 5·1	32	7	3	0·74	+ 0·25	25·8	- 5·1	22	- 4
		Fort William	69	30	56·4	39·1	47·2	- 3·3	49	8	3	0·99	+ 0·09	*	*	*	*
1. SCOTLAND, E.		Nairn	62	31	52·4	40·4	46·0	- 3·7	35	4	6	1·79	+ 1·41	25·0	—	21	—
		Aberdeen	59	38	50·9	42·1	46·2	- 2·9	29	0	6	1·50	+ 1·03	23·0	- 20·2	20	- 17
		†Balmoral (Crathes) ..	60	30	48·1	35·1	41·2	- 5·7	17	26	5	2·39	+ 1·86	17·6	—	15	—
		†Crieff (Balruddery) ..	60	40	50·3	44·1	47·0	- 3·9	35	0	4	1·00	+ 0·44	9·3	—	8	—
		†Leith (Edinburgh)	52	38	49·3	41·1	45·0	- 5·9	25	3	7	1·05	+ 0·66	7·5	- 29·6	7	- 26
		Marchmont	53	34	48·4	37·6	42·7	- 5·8	23	12	5	1·25	+ 0·71	8·1	- 32·9	7	- 29
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	55	38	50·7	40·7	45·4	- 3·7	29	4	6	1·29	+ 0·80	19·0	—	17	—
		†Shields (Newcastle)	58	35	49·6	39·1	44·0	- 5·4	26	8	6	1·02	+ 0·65	14·4	- 18·6	13	- 16
		Durham	58	33	49·3	38·1	43·4	- 6·2	26	11	6	1·04	+ 0·60	15·2	- 23·9	13	- 21
		Scarborough .. .. M	58	36	52·4	42·1	46·9	- 3·2	34	0	3	0·40	- 0·04	26·0	—	23	—
		York	69	34	54·9	40·6	47·3	- 4·5	43	4	5	0·90	+ 0·47	19·2	- 21·2	17	- 19
	Southern part.	Spurn Head	61	40	53·4	43·9	48·4	- 2·3	45	0	5	0·46	+ 0·10	*	*	*	*
		†Lincoln (Skegness)	69	32	56·6	39·8	47·7	- 5·3	49	6	6	2·08	+ 1·65	44·2	—	40	—
		†Fulbeck (Rauceby)	68	32	57·3	40·7	48·5	- 5·0	51	4	6	1·40	+ 0·96	27·8	—	25	—
3. ENGLAND, E	Northern part.	Hillington .. .. M	69	34	59·1	40·4	49·2	- 2·8	57	4	6	0·56	+ 0·11	31·0	- 15·2	28	- 14
		†Yarmouth (Lowestoft) ..	66	40	55·7	45·6	50·4	- 0·7	39	0	7	0·71	+ 0·31	52·1	—	47	—
		Geldeston	69	33	58·5	40·1	48·8	- 2·8	56	5	7	1·11	+ 0·71	40·8	- 8·5	37	- 8
		(Cromer)												46·1	—	41	—
	Southern part.	Cambridge	71	31	59·8	39·1	48·8	- 4·1	60	8	6	0·83	+ 0·39	29·9	- 16·2	27	- 15
		Felixstowe	67	35	55·9	42·6	48·9	- 4·2	48	0	6	0·58	—	50·5	—	46	—
		Clacton-on-Sea	63	34	56·4	42·9	49·3	- 4·0	51	0	5	0·56	—	50·1	—	45	—
		Rothamsted	69	34	58·1	39·0	48·0	- 3·8	55	8	5	0·58	+ 0·12	27·4	- 17·5	25	- 16
		Shoeburyness	66	33	58·9	41·3	49·6	- 4·0	56	2	6	0·59	+ 0·27	*	*	*	*
		London, Westminster	70	38	59·3	43·7	51·0	- 3·2	63	0	4	0·44	+ 0·04	23·8	- 14·9	22	- 14
		(Dunmow)												34·4	—	31	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	66	32	51·9	38·1	44·6	- 5·2	35	11	7	1·54	+ 1·08	16·7	—	15	—
		†Bawtry (Worksop)	66	32	55·6	40·0	47·3	- 4·6	46	6	6	1·54	+ 1·11	14·5	- 24·3	13	- 22
		Nottingham	64	32	55·9	40·4	47·7	- 4·6	47	4	6	0·51	+ 0·06	21·0	—	19	—
		Birmingham, Edgbaston ..	66	33	55·4	40·5	47·5	- 3·7	45	4	4	0·46	- 0·06	21·0	—	19	—
		Oxford	70	35	58·9	41·7	49·8	- 3·2	56	1	6	0·75	+ 0·31	18·0	- 26·7	16	- 24
	Western part	†Cheadle (Sheffield) .. M	64	34	53·4	40·2	46·4	- 4·1	38	5	4	0·25	- 0·29	20·8	—	19	—
		Shrewsbury	66	30	56·6	40·2	47·9	- 3·8	49	5	4	0·36	—	*	*	*	*
		Hereford .. .. M	68	35	56·2	39·4	47·3	- 5·5	48	7	6	0·77	+ 0·30	*	*	*	*
		Cirencester	66	36	55·3	40·3	47·4	- 3·9	45	5	5	0·80	+ 0·30	23·5	- 22·6	21	- 20
		Bath	68	37	57·9	42·3	49·6	- 4·7	53	0	5	0·87	+ 0·39	27·0	—	25	—
		(Margate)												51·5	+ 7·0	47	+ 6
5. ENGLAND, S.		Kew	70	36	59·9	42·3	50·6	- 2·8	60	0	4	0·23	- 0·17	21·6	- 24·5	20	- 22
		Wisley, Surrey	70	33	59·1	40·3	49·1	- 4·1	57	5	4	0·17	—	29·6	—	27	—
		†Swarraton (Ventnor) .. M	67	32	56·6	39·8	47·7	- 3·5	49	6	5	0·78	+ 0·32	22·5	- 28·3	21	- 26
		Tunbridge Wells .. M	68	32	59·3	40·6	49·4	- 2·8	58	4	5	0·70	+ 0·27	36·6	- 10·2	33	- 9
		†Dungeness (Littlestone) ..	61	33	56·1	42·4	48·8	- 3·7	48	0	5	0·78	+ 0·50	48·2	—	44	—
		Hastings	68	36	57·3	44·1	50·3	- 2·5	58	0	6	0·48	+ 0·12	46·4	- 7·1	42	- 6
		Southampton	70	35	59·0	44·3	51·2	- 3·2	64	0	5	0·50	+ 0·06	27·0	- 22·8	25	- 21
		†Portland Bill (Worthing) ..	60	40	53·3	44·4	48·6	- 4·8	46	0	5	0·48	—	31·6	—	29	—
		(Eastbourne)												44·3	- 7·5	40	- 7
6. SCOTLAND, W.		†Laudale (Oban)	67	34	56·7	41·4	48·6	- 2·5	49	2	3	0·66	- 0·19	26·7	—	23	—
		Glasgow	57	38	50·8	41·6	45·9	- 4·8	29	1	4	0·73	+ 0·17	9·8	- 27·9	9	- 24
		Dumfries	67	32	55·0	40·3	47·2	- 3·9	44	5	5	0·35	- 0·23	*	*	*	*
		Cally .. .. .. S	68	30	55·1	37·7	45·9	- 4·8	45	12	4	1·05	+ 0·38	*	*	*	*
		Douglas, Isle of Man	66	32	54·0	40·5	46·9	- 3·7	41	4	5	0·28	- 0·25	29·9	- 21·5	27	- 19
7. ENGLAND, N.W.		Aspatria	67	32	53·7	38·9	45·9	- 5·2	40	9	2	0·32	- 0·22	23·3	—	20	—
		Newton Rigg	67	31	52·5	37·9	44·8	- 4·9	37	11	4	0·62	+ 0·14	25·5	- 20·3	22	- 18
		Stonyhurst	67	33	53·8	40·2	46·6	- 4·5	40	5	5	0·14	- 0·49	21·5	- 23·1	19	- 21
		Blackpool .. .. M	66	33	53·5	40·3	46·5	- 5·0	39	5	5	0·21	- 0·25	30·4	- 15·6	27	- 14
		Manchester, Prestwich ..	64	32	54·7	38·8	46·3	- 4·8	44	9	6	0·23	- 0·34	24·3	- 14·9	22	- 13
		†Liverpool Obs. (Hoylake) ..	67	36	54·3	42·6	48·1	- 4·3	43	0	5	0·32	- 0·12	27·2	—	24	—
		†Hawarden Bridge (Southport)	65	33	54·3	41·1	47·3	- 5·6	41	3	5	0·46	+ 0·11	29·1	- 19·7	26	- 17
	NORTH WALES	Llandudno .. .. M	62	35	53·2	41·8	47·2	- 5·4	37	1	4	0·25	- 0·18	40·0	- 6·9	36	- 6
		†Holyhead (Aberdovey) ..	63	38	53·6	42·3	47·6	- 4·3	39	0	4	0·26	- 0·18	34·3	—	31	—
		Bettws-y-Coed	68	30	55·9	39·0	46·9	- 5·3	47	8	3	0·13	—	30·8	—	28	—
8. ENGLAND S.W.	SOUTH WALES	Llangammarch Wells	67	27	55·0	36·2	45·0	- 6·3	45	16	5	0·40	—	20·0	—	18	—
		Pembroke	62	39	55·1	42·6	48·5	- 2·9	46	0	5	0·37	- 0·04	33·1	- 17·9	30	- 16
		†Cardiff (Aberystwyth)	67	31	57·3	39·2	47·7	- 5·9	52	8	5	0·91	+ 0·36	28·5	—	26	—
		Clifton	68	39	57·7	43·5	50·2	- 3·7	57	0	6	0·72	+ 0·25	25·8	—	24	—
		†Shaftesbury (Marlborough) M	64	36	54·3	41·9	47·7	- 3·4	40	0	6	0·50	+ 0·02	17·9	- 24·5	16	- 22
		†Arlington (Newquay)	66	35	57·1	39·4	47·7	- 3·5	51	7	4	0·57	- 0·06	36·0	- 14·6	33	- 13
		Cullompton .. .. M	64	32	58·4	39·8	48·5	- 4·5	55	6	5	0·36	- 0·10	21·2	- 24·5	19	- 22
		Plymouth	64	37	56·0	42·3	48·7	- 5·3	47	0	6	0·75	+ 0·32	32·6	- 17·7	30	- 16
		Falmouth	59	41	55·1	44·9	49·7	- 3·2	54	0	5	0·84	+ 0·34	28·5	- 24·9	26	- 23
		(Torquay)												28·2	- 24·2	26	- 22
9. IRELAND, N.	Western part.	Malin Head	57	41	52·1	42·4	47·0	- 3·3	35	0	4	0·50	+ 0·03	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	61	40	55·3	43·3	48·9	- 2·7	48	0	3	0·24	- 0·36	*	*	*	*
		Markree Castle	70	36	59·5	41·1	49·8	- 0·7	58	3	5	0·27	- 0·32	46·2	+ 3·6	41	+ 3
	Eastern part.	Armagh	60	36	55·1	40·0	47·1	- 4·0	44	6	5	1·14	+ 0·62	24·4	- 17·7	22	- 16
		Donaghadee	53	36	50·6	40·7	45·4	- 5·6	29	4	4	1·30	+ 0·79	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	64	37	56·4	41·8	48·7	- 4·4	48	1	4	0·15	- 0·28	48·4	+ 0·4	43	0
		Kilkenny	65	31	57·0	37·3	46·6	- 5·5	52	13	3	0·15	- 0·33	*	*	*	*
		Waterford	66	34	57·7	40·0	48·3	- 3·9	53	6	2	0·06	- 0·44	*	*	*	*
	Western part.	Birr Castle	68	32	58·3	38·4	47·8	- 4·2	56	10	4	0·13	- 0·37	51·6	+ 9·3	46	+ 8
		Foynes	64	35	58·3	39·4	48·3	- 4·0	55	7	6	0·32	- 0·18	*	*	*	*
		Killarney	70	35	60·6	40·4	49·9	- 2·6	62	4	3	0·18	- 0·48	*	*	*	*
		Valencia	68	40	57·7	42·7	49·8	- 3·0	55	0	3	0·28	- 0·41	38·4	- 9·3	35	- 8
		†Roches Point (Ballinacurra) ..	60	39	55·1	42·7	48·5	- 4·6	46	0	5	0·13	- 0·47	47·7	—	43	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	58	46	54·6	46·7	50·4	- 2·8	59	0	3	0·77	+ 0·41	33·0	- 21·7	30	- 20
		†Jersey, St. Aubins (St. Heliers)	65	37	58·9	46·0	52·1	- 2·2	71	0	3	0·52	+ 0·10	30·5	- 26·3	28	- 24
		Guernsey	65	42	58·5	45·7	51·7	- 1·6	68	0	4	1·13	+ 0·69	37·5	- 21·3	35	- 20

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 54·8 hrs., 50 %; Brighton, 34·5 hrs. (- 16·1), 31 % (- 15 %); Bournemouth, 27·1 hrs., 25 %; Bognor, 34·7 hrs., 32 %; Rhyl, 37·9 hrs., 34 %; Tenby, 33·6 hrs. (- 17·5), 30 % (- 16 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	46·1
	Crathes	1	30	47·7	47·0
	Balmoral	2	25	—	—
	Marchmont ..	—	—	46·4	—
2.	Cockle Park	1	30	47·9	47·1
	York	—	—	49·6	48·5
	Hull	1	29	49·4	48·3
	Lincoln	—	—	49·9	49·4
3.	Lowestoft	—	—	53·2	50·7
	Cambridge	3	24	52·2	51·6
	Dunmow	3	28	—	—
	Clacton-on-Sea ..	2	28	52·5	51·7
4.	Harrogate	2	26	47·4	47·5
	Sheffield	1	28	47·8	47·0
	— — ..				
	Birmingham	2	23	46·7	47·0
	Nottingham	2	27	49·8	49·0
	— — ..				
5.	Kew	2	25	52·0	51·0
	Canterbury	1	30	53·3	52·6
	Portsmouth	0	33	54·0	52·9
	Wisley	—	—	52·5	51·4
6.	— — ..				
	Glasgow	0	31	—	—
	— — ..				
7.	Newton Rigg ..	2	26	49·5	47·3
	Southport	2	28	52·9	51·9
	Manchester City ..	0	31	49·4	49·4
	Bettws-y-Coed ..	1	29	48·6	48·0
	— — ..				
8.	Llangammarch Wells	4	19	50·2	48·9
	Bath	—	—	53·9	52·3
	Plymouth	3	25	53·3	—
	— — ..				
9.	Armagh	3	27	52·2	50·0
	Markree Castle ..	0	31	—	—
10.	Dublin, Trin. Coll. ..	4	23	51·6	50·7
11.	Guernsey, Brooklyn	0	34	55·5	52·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	45	46·2
	Kirkwall	50	44	47·6
	Wick	47	46	46·1
SCOTLAND, E.	Cromarty	48	47	47·4
	Pennan Bay	50	46	48·1
	Aberdeen, Cove Bay ..	47	46	46·4
ENGLAND, N.E.	Burnmouth, Berwick ..	47	44	45·5
	Scarborough	49	44	46·7
ENGLAND, E.	Shipwash Lightship ..	54	48	50·2
	Margate‡	56	51	53·9
ENGLAND, S.E.	Eastbourne‡	54	51	52·3
SCOTLAND, W.	Lamlash	51	45	47·9
	Ballantrae	51	49	50·1
ENGLAND, N.W.	Port Erin	49	48	48·3
ENGLAND, S.W.	Newquay	55	53	54·2
	Plymouth‡	51	51	50·9
	Salcombe	53	50	51·2
IRELAND, N.W.	Sheephaven	55	51	52·8
	Ballyglass	57	49	52·9
IRELAND, S.W.	Cleggan	54	49	51·8
	Seafield	58	49	52·4
IRELAND, E.	Kingstown‡	51	50	50·8

‡ Only one observation each day.

RECENT LOW TEMPERATURE.

The low temperature prevailing at the commencement of the week under review has attracted much attention, particularly as it presented a striking contrast to the conditions which obtained earlier in the month, when the continuance for several days of a Southerly wind over France and the British Isles, coupled with a large amount of sunshine, gave rise to temperatures above 80° at many stations in the eastern part of England.

The distribution of pressure accompanying the cold weather was very typical of the conditions usually associated with the cold periods which so frequently occur about the middle of May. The most striking maps were those from Thursday, May 16th, to Sunday, May 19th. At the commencement of this period pressure was highest in Iceland and off the west coast of Europe, and lowest over central Scandinavia. There was thus a gradient for Northerly wind over north-western Europe, and cold air flowed southward from the arctic region. On the morning of Friday, May 17th, the depression over Scandinavia had moved eastward, and a small subsidiary depression had developed over the Gulf of Genoa. The gradient for Northerly wind now extended from the arctic region to the Mediterranean, and its intensity had increased somewhat. During Saturday and Sunday, May 18th and 19th, the general conditions remained unchanged over Great Britain and the Continent. The flow of air to the south was maintained unchecked, and gave rise to some very low temperatures. At most English and Scottish stations the maximum temperature on Sunday, May 19th, was but little, if at all, above 50°, and frost occurred at night in many places. On the Continent conditions were equally unfavourable. Even on the shores of the Mediterranean the cold was severe for the time of the year; at Nice the thermometer did not rise above 54° on May 19th. On the same date the maximum reading was 46° at places as far apart as Belfort and Prague, and only 41° at Munich.

Under the influence of Northerly or North-Easterly winds, and in the absence of much sunshine, temperature remained low generally in the British Isles during the early part of the week, and the week's warmth was "deficient" in all districts and "very deficient" in some. The mean temperature of the air in our two northern-most districts was about one degree below the mean temperature of the sea off the north of Scotland as recorded at Lerwick, Kirkwall and Wick. Further to the south, the difference between the mean temperature of the air and that of the water at the coast stations was considerably greater, amounting in some cases to nearly 5°.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

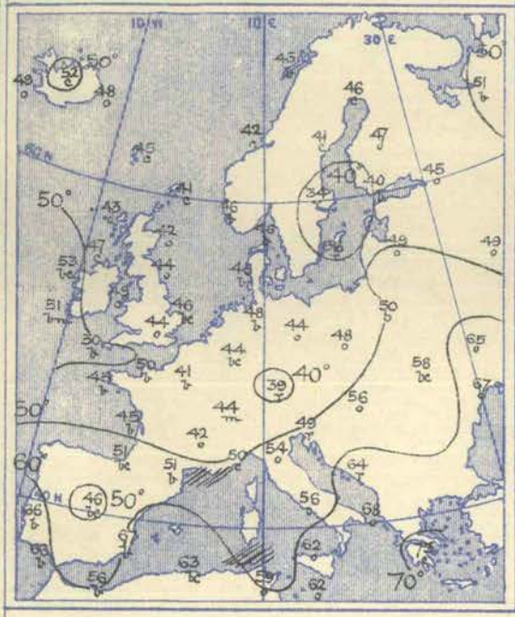
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

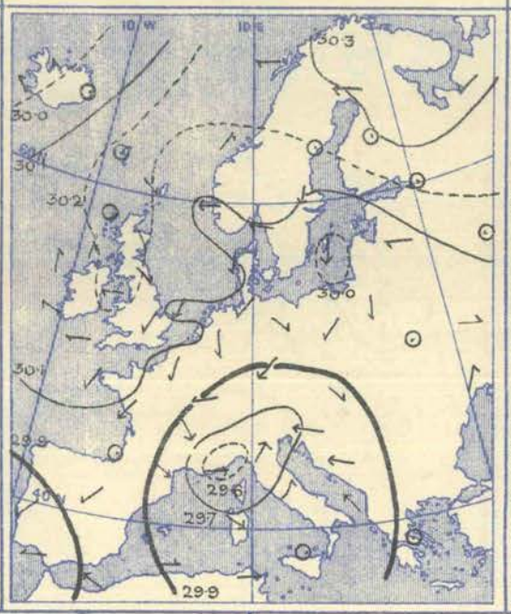
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 19th May, 1907.

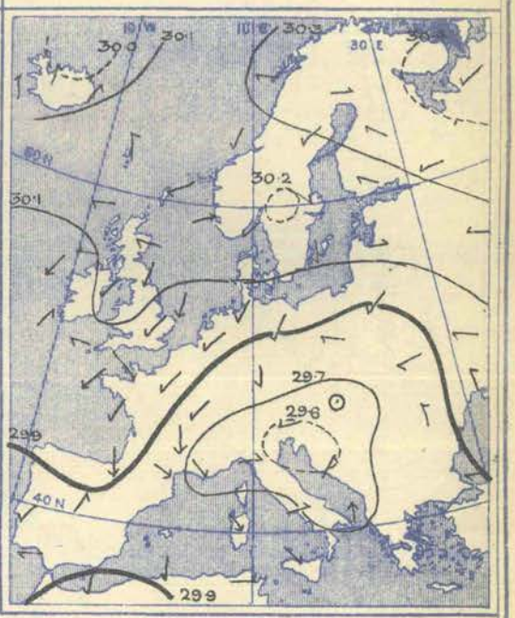
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and fine over the Spanish Peninsula, Algeria, Ireland, and in a few other localities, but cloudy or overcast as a rule, with rain over the Baltic and Austria. Heavy rain on the shores of the Adriatic during day, and also at Leghorn, and smaller quantities in various other parts of the Continent, as well as at many English and Scottish stations.

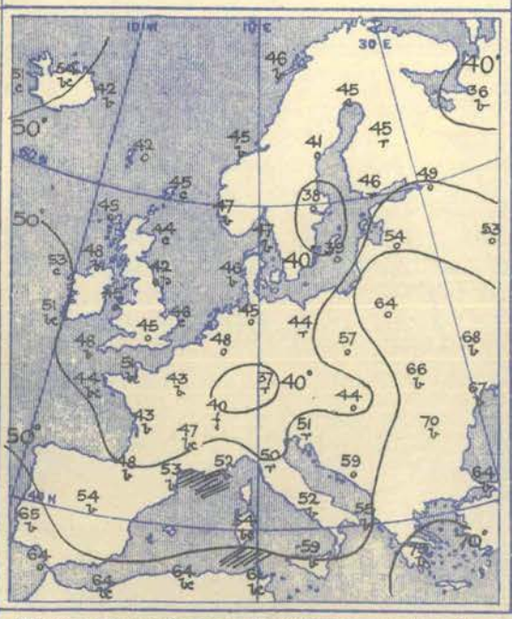
Temperature changed little and rather irregularly. Still low over the United Kingdom and the other western countries—less than 45° in many places Above 60° in the south-west and south-east of our area, and above 70° at Athens. Maxima during day below 50° in the north-east of our Islands and not much above it in various French and German localities. Thermometer rising to about 70° over a large portion of southern Europe, and to above 80° in places. Highest value, 88° at Patras.

Wind in morning showing several partial or complete cyclonic circulations. Not much force as a whole, but Northerly current fresh or strong in isolated places. Little change of importance during day.

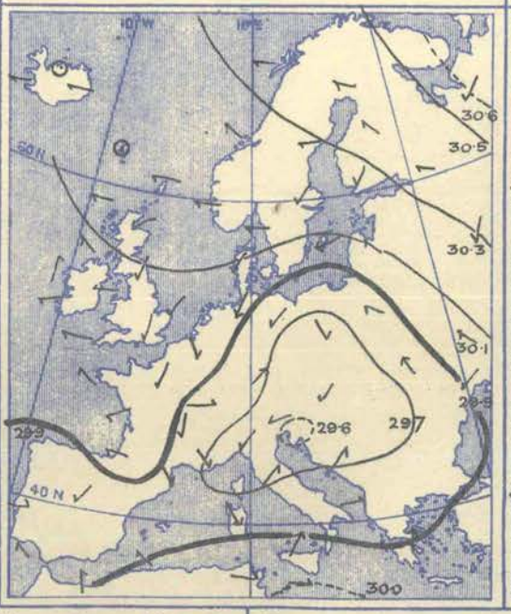
Barometer fallen over the Icelandic region and our Islands, risen over Scandinavia and Russia. Readings in morning above 30·3 ins. over Finland and the White Sea, and relatively high in a long band extending thence across the north of Scandinavia to the Irish Sea. Below 30·0 ins. in a depression over the Baltic, less than 29·9 ins. over the west of the Iberian Peninsula, and below 29·7 ins. in some disturbances over Italy and its vicinity. Pressure increasing during day in the north-east of our area and also in Iceland, decreasing in most other regions, but depression over the Baltic dispersing.

Monday, 20th May, 1907.

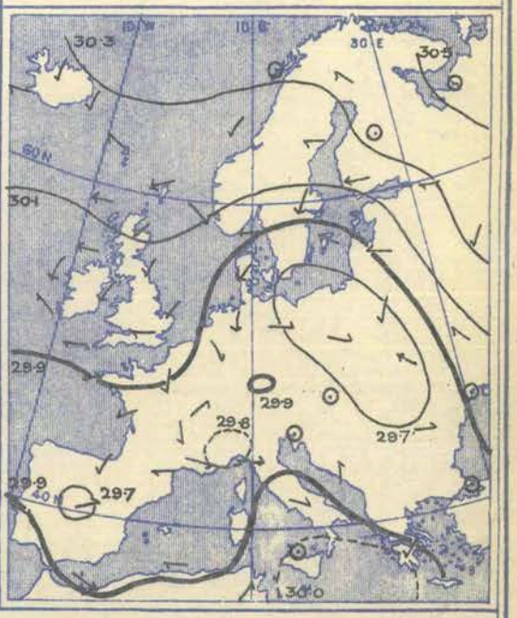
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most regions, but dull and rainy over Germany, the north-east of France, and at Copenhagen, as well as at several places in northern Italy. Rain, generally slight, experienced later in most parts of these Islands, and larger quantities in many Continental districts—more than half-an-inch in the south of Scandinavia, nearly as much in North Germany, and 0·8 in. at La Coubre.

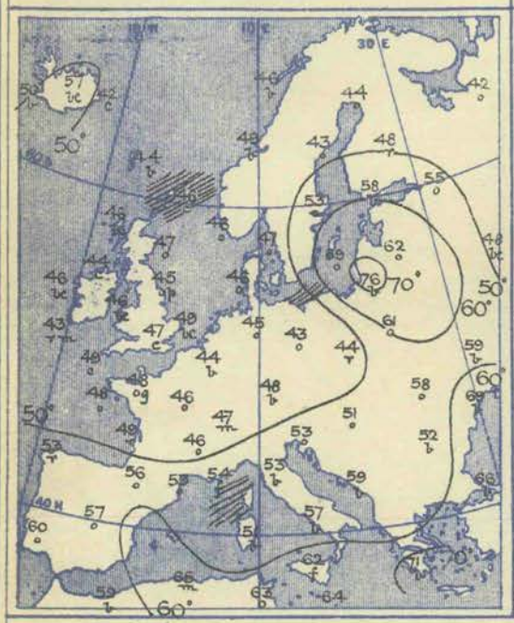
Temperature continuing very low over the United Kingdom, and in nearly all the western and central regions of the Continent. Below 45° at 8 a.m. at many of our own stations, and in various parts of France and Germany. Above 50° at most stations on the shores of the Mediterranean and in the north and west of Iceland, above 60° in southern Russia, Algeria, and Portugal, and above 70° in Greece. Thermometer remaining below 50° in many parts of this country, and also in Germany, but rising to above 70° over a large portion of southern Europe, and to above 80° in places; highest reading, 86° at Hermanstadt.

Wind in morning showing an extensive cyclonic circulation of little strength around the Adriatic region. A moderate to light North-Easterly to Easterly current prevailing over all the north-western countries. No change of a general character later in day, but South-Easterly wind becoming high at Lemberg, and Easterly current increasing somewhat in force over the Gulf of Finland.

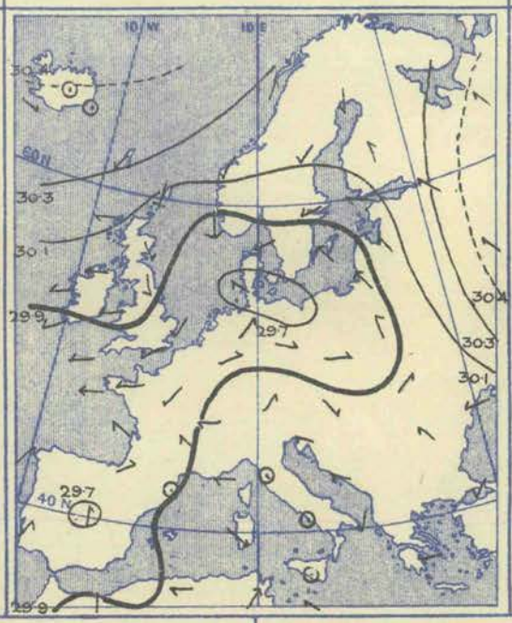
Barometer in morning ranging from above 30·6 ins. in the far north of Russia to below 29·7 ins. in a large cyclonic system of rather irregular form extending from Corsica to Poland. Latter disturbance breaking into two parts later, the larger portion travelling north-eastwards. A well-marked depression forming over central Spain. Pressure giving way slowly over our Islands, but rising in Iceland. Gradients remaining very slight as a whole, but increasing over the north-east of our area.

Tuesday, 21st May, 1907.

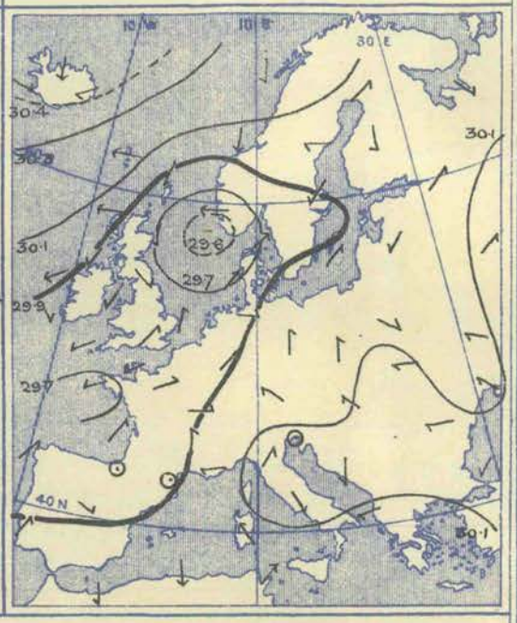
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the extreme south and in a few regions elsewhere, but cloudy or overcast as a whole, with rain at Corunna, Rochefort, in the south-west of Ireland, and at some German stations, and showers at North Shields. Heavy rain later in Scotland and at Kuopio, and smaller amounts over nearly the whole of these Islands and France and also in North Germany.

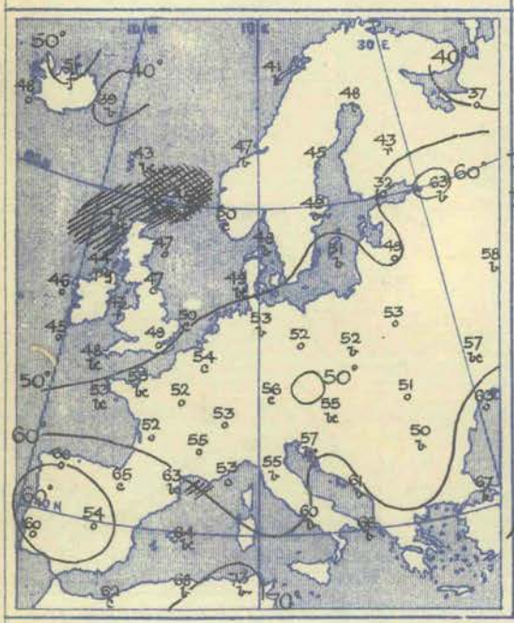
Temperature changed very little over our Islands and western Europe, very irregularly in the east. Readings in morning, highest, 76° at Memel and above 70° in Greece. Below 45° at several of our own stations, in the north-east of Russia, and at inland places in Germany. Maxima below 50° at many stations in the north-west and north-east of the United Kingdom and not much above that point in any part of this country. Thermometer rising to above 70° at Stockholm and on the coast of North Germany, and to 81° at Memel.

Wind in morning circulating cyclonically around Denmark; fresh in force in a few places and strong at Wisby, but moderate or light generally. Wind increasing greatly in force from the north-eastward between Shetland and Faröe by evening and becoming high at Sumburgh Head; some increase in force also taking place over Scandinavia.

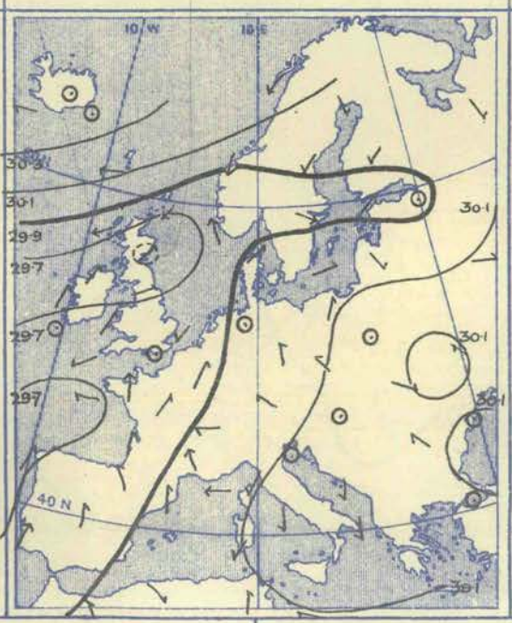
Barometer in morning over 30·4 ins. over a large part of Russia, and 30·3 ins. to 30·4 ins. over the Icelandic region. Below 29·7 ins. in a small minimum near Madrid and also in a larger system over Denmark and its vicinity. Danish disturbance travelling westwards towards Scotland during day and gradients becoming rather steep to the northward of that country. A depression over the Bay of Biscay causing a fall of the mercury over Brittany and the south-west of England. Pressure decreasing over Russia.

Wednesday, 22nd May, 1907.

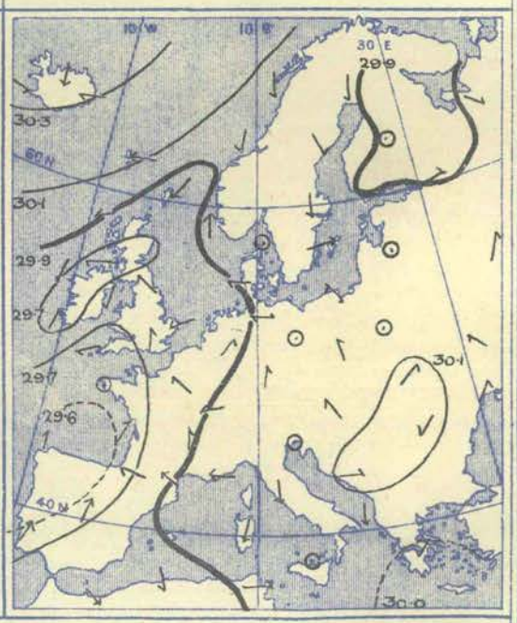
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning bright and fine over Algeria, most parts of Italy, and over the greater portion of Russia; cloudy or overcast in most other regions, with rain at Oporto and in various British localities, and also at Turin. Thunderstorms experienced later in the west of France, and more or less rain at nearly all our own stations and in several districts on the Continent—as much as 0·8 in. at Donaghadee and Lisbon and 0·9 in. at Le Mans.

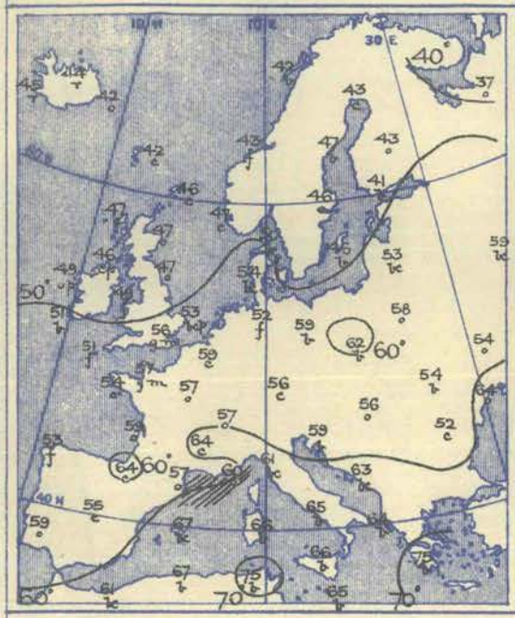
Temperature risen over central Europe, fallen over the region of the Baltic, changed little and rather irregularly elsewhere. Readings in morning 78° at La Calle and above 65° at a few other southern stations. Below 50° over almost the whole of Great Britain, and below 45° in several places. Above 50° at some stations in Iceland. Rising later to 80° or above in the far south of our area, and to 90° at La Calle, but maxima again very low over the northern parts of these Islands. Thermometer rising to 72° during the afternoon at Grimstadir, Iceland.

Wind in morning showing a cyclonic circulation around Scotland, but mainly from some Easterly point over the north-western countries and from the Southward over the Spanish Peninsula and the Bay of Biscay. Easterly current blowing freshly or strongly in the north of Scotland and its neighbourhood. Light, variable airs prevailing over the south and east of our area. No general change during day, but direction becoming rather more Southerly in England.

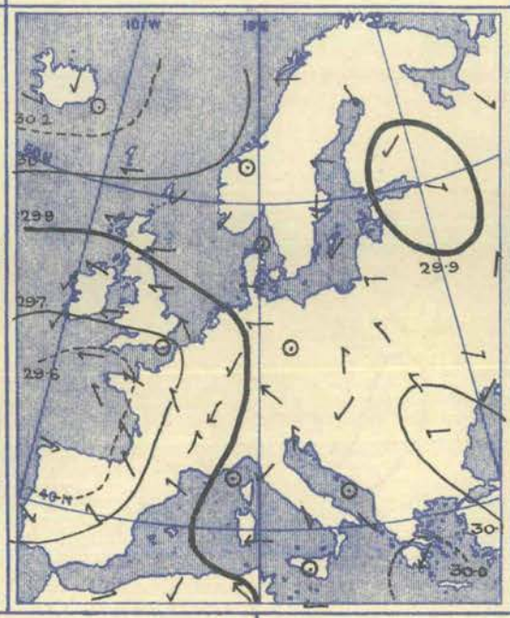
Barometer in morning above 30·3 ins. over Iceland and above 30·1 ins. all over the south-eastern portion of Europe. Below 29·6 ins. in a depression over the north-east of Scotland, and relatively low in a band extending thence to beyond St. Petersburg, and also in a large, shallow area over the Bay of Biscay region. Gradients rather steep off the north of Scotland. Scotch depression undergoing much modification in form by evening, and that in the south-west apparently increasing in depth and moving northwards. Pressure giving way slightly in Iceland and rising in the north of our Islands.

Thursday, 23rd May, 1907.

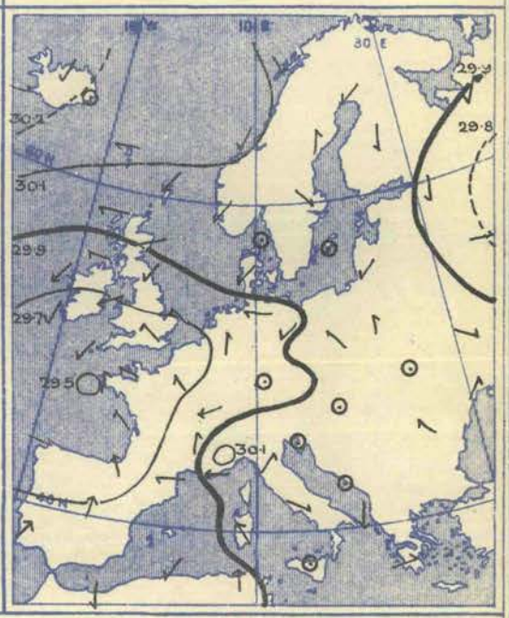
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in nearly all parts of our Islands and their vicinity, with rain at Groningen, the north and north-west of England, and showers in many other localities. Rain or snow also general in Iceland. Fair or fine over most of southern and central Europe, but overcast in Portugal and rainy at Turin. Fog prevailing at Cuxhaven, Holyhead, Scilly, and Corunna. Thunderstorms later in the south-east of England and the adjacent part of the Continent, and also in the western departments of France. Rain very general over a large part of our area—0·5 in. at Bath, 0·8 in. at Shields, and 1·8 in. at Frankfort.

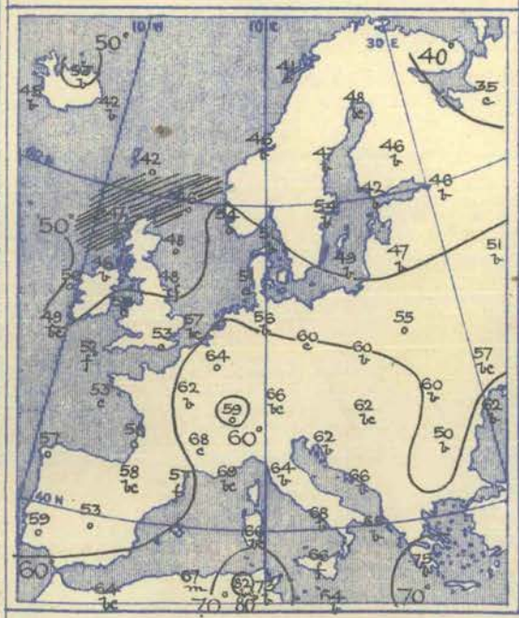
Temperature risen a few degrees as a whole, but still low over nearly all the United Kingdom—below 50° at 8 a.m. except in the south. Readings above 65° in many Mediterranean regions, and as high as 75° at La Calle and Patras. Rising later to above 60° in the south and south-east of England, and to 68° degrees in London and at Margate, but maxima again very low towards the north of this country. Thermometer rising to 95° at La Calle, to above 80° in many other southern regions, and to above 70° over the central countries, as well as over the Netherlands and the north of France.

Wind in morning North-Westerly over Portugal, South-Easterly in France and the south-east of England, and Easterly over this country generally and the North Sea and Norway. A strong Southerly current blowing at some Algerian stations, and a fresh Northerly breeze at Athens, but light and variable winds prevailing in the south generally. No change of importance later in day.

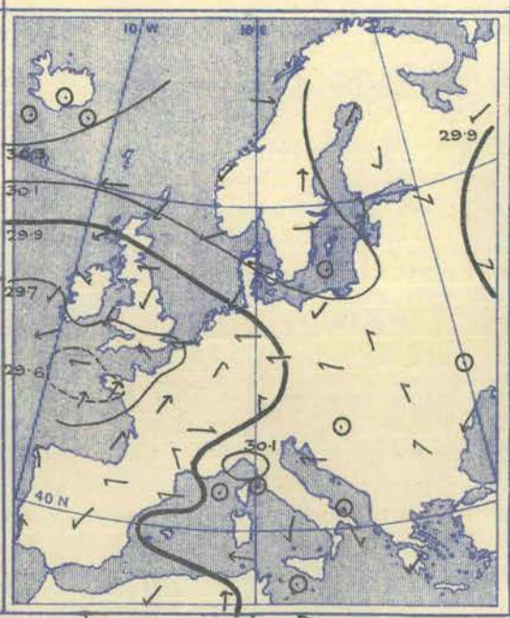
Barometer in morning ranging from above 30·2 ins. over Iceland to less than 29·9 ins. in a large shallow depression having its centre near St. Petersburg, and to below 29·6 ins. in another disturbance over the Bay of Biscay. Russian disturbance travelling eastwards during day, and that over the Bay moving in a northerly direction. Scarcely any change taking place within the region of highest pressure.

Friday, 24th May, 1907.

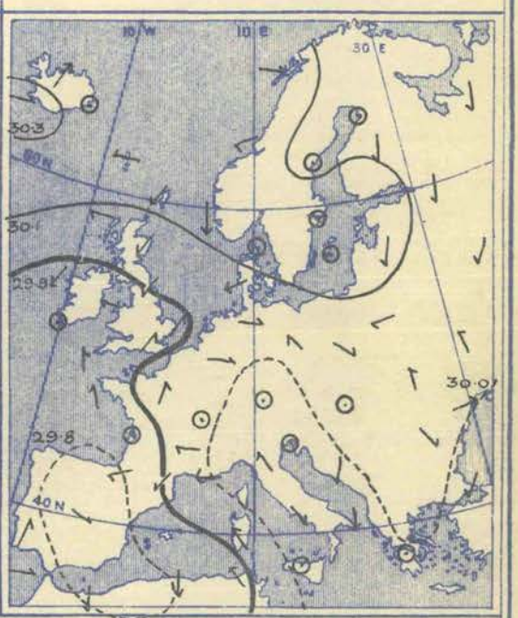
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over Great Britain and the nearer parts of the Continent, with thunderstorms at the Helder and Cape Gris Nez Fair or fine in most other regions, but overcast at the Spanish and Portuguese stations. Thunderstorms experienced subsequently in many parts of England and Scotland, as well as in the west of France and North Germany. More or less rain falling over our Islands, France, Portugal, and the central countries.

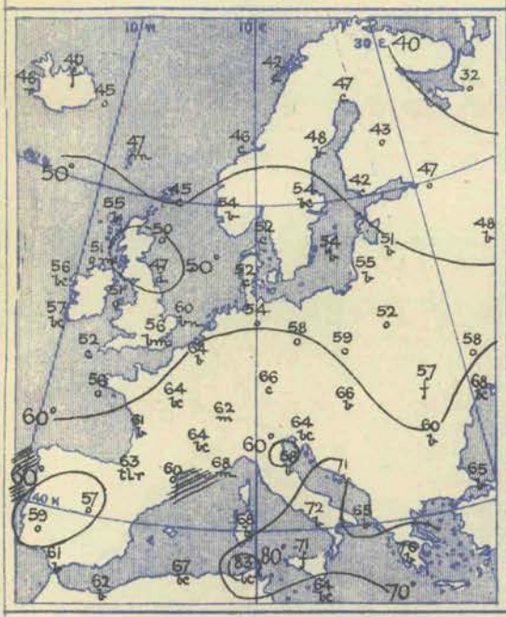
Temperature risen slightly in most places. Readings in morning as high as 60° in London, but still below 50° in Ireland and the north of Britain. Above 60° in nearly all the southern regions of Europe and above 70° in Greece. Highest reading, 82° at La Calle. Maxima during day only a little below 70° in the south-east and north-west of England, nearly 80° at some German stations, and above that point in various parts of Austria-Hungary and southern Europe: highest readings, 88° at Athens and 93° at La Calle.

Wind in morning circulating cyclonically over these Islands and their vicinity, the Easterly current prevailing at most of our stations being of little force. Light or moderate breezes from no general direction shown over our area as a whole, but a moderate Southerly wind blowing on the coast of Portugal. A light to moderate South-Westerly breeze setting in during day over the greater part of England, but little other change.

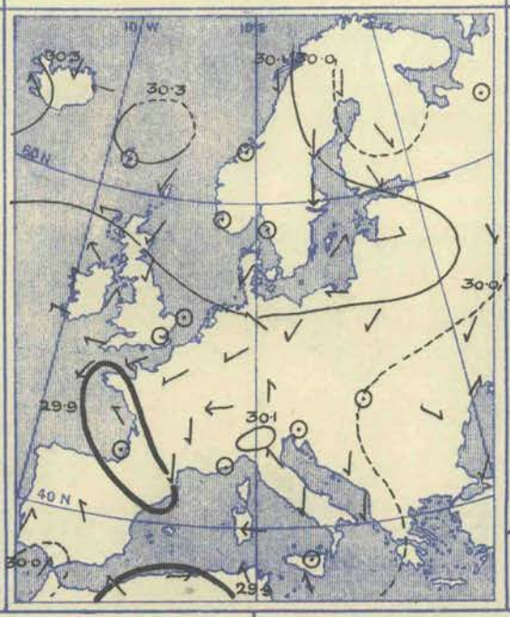
Barometer in morning ranging from above 30·3 ins. over Iceland and its neighbourhood, to less than 29·9 ins. over Russia, and to below 29·6 ins. in a well-marked depression over the western portion of the English Channel. Relatively low in a large area between Portugal and the Azores. Anticyclone moving slowly towards our Islands during day, and depression over the Channel travelling north-westwards to Ireland and becoming less deep. Pressure increasing rather quickly over the English Channel region and a steady increase taking place over Russia.

Saturday, 25th May, 1907.

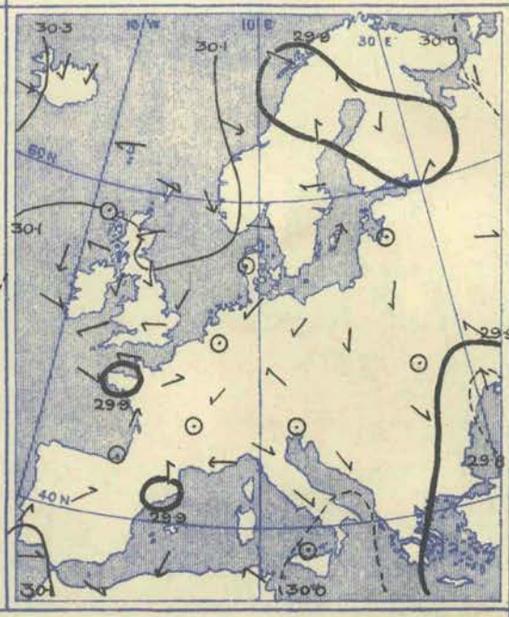
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. varying a good deal, but fair or fine in most regions. Dull at most English stations, with fog on the north-east coast and rain at Dungeness. Rain also falling at Cracow and a thunderstorm prevailing at Biarritz. More than an inch of rain subsequently at the latter station, 0·9 in. at Limoges, and 1·7 in. at Hermanstadt. Thunderstorms occurring in the south-east of England and rain in several parts of this country.

Temperature showing no general or decided change; risen in Ireland and Scotland. Readings in morning 83° at La Calle, 76° at Patras, and about 70° at a few other southern stations. Below 50° at a small number of our own stations and over a large portion of northern Europe, and as low as 32° at Archangel. Maxima during day 70° at some places in the south of England, and above 80° at Frankfurt and over Austria-Hungary and southern Europe; thermometer rising to 86° in Greece and to 88° at Rome, Lyons, and Marseilles.

Wind in morning Easterly or North-Easterly over nearly the whole of our Islands and their vicinity, Southerly in Portugal, and Northerly in Italy. Light breezes from no general direction prevailing elsewhere. No great change occurring later in day, but a complete cyclonic circulation setting in around Brittany.

Barometer fallen in Iceland, risen over the United Kingdom and the western countries generally. Morning readings ranging from above 30·3 ins. in an anticyclone having its centre beyond the Faröe, to below 30·0 ins. in a depression over Finland, and to less than 29·9 ins. in other disturbances situated over the west of France and Algeria. Barometer still relatively low between the Azores and the Spanish Peninsula. Finnish depression expanding westwards during day and barometer falling decidedly over Norway. A disturbance forming over the Black Sea by evening and a small minimum appearing over Brittany.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. May 19th, 9.50 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature F.	48°	40°						One kite, 77 sq. ft.; 3,800 ft. wire. Max. height, 1,800 ft. Nearly overcast. Cu. and A.-S.
		Humidity	60%	70%						
		Wind Velocity, m. per hr.	NNE, 15†	NE by N, 18						
May 20th, 4.49 p.m. to 4.59 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Entered Cu. clouds at about 5,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	NE ½ N, 9	NE ½ N, 11	N ½ E, 8	[N by E, 9]				
May 20th, 5.55 p.m. to 6.39 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	37°	35°	29°	25°				One kite, 77 sq. ft. Overcast, rain at times.
		Humidity	90%	95%	90%	100%				
		Wind Velocity, m. per hr.	ESE, —	E, 28	E, 21	ENE, 25				
May 21st, 6.8 p.m. to 6.27 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Velocity increasing at 7,000 ft. Lost in clouds at 9,500 ft.
		Humidity								
		Wind Velocity, m. per hr.	SE, 2	E, 8	SE, 8	SW by S, 5	W ½ S, 5	SW, 24		
May 23rd, 9.40 a.m. to 10.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	57°	55°						Max. height, 1,900 ft.; 2,850 ft. wire. Very light wind failing above. Clouds not reached. Overcast. Rain. Low fog in early morning.
		Humidity	95%	80%						
		Wind Velocity, m. per hr.	E by S, 13	SE by S, 18						
May 24th, 6.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								* Lost sight of at 4,300 metres, moving S 20° W, 20. A few clouds at about 3,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	SSW, 13	S, 36° W, 18	S, 50° W, 19	S, 39° W, 12	S, 23° W, 12	S, 16° W, 19	S, 17° W, 19	
May 24th, 7.3 p.m. to 7.49 p.m.	Totland Bay, Isle of Wight, 150 ft.	Temperature F. . ..								* At 3,500 metres S ½ E, 22; at 4,000 m. S, 23; at 4,500 m. S, 27; at 5,000 m. S ½ E, 28; at 5,500 m. S by E, 34; at 6,000 m. S, 32; at 6,500 m. S, 37; at 7,000 m. S by W, 38. Cl. radiating from SW.
		Humidity								
		Wind Velocity, m. per hr.	SW by W, 7	SW ½ W, 19	SW ½ W, 27	SW ½ W, 21	SSW, 21	SSW, 22	S, 24	
May 25th, 7.13 p.m. to 7.31 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F.								* Clouds at four different levels. Balloon entered lower of the two intermediate layers at about 9,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	NE ½ E, 11	E ½ S, 18	SE ½ S, 16	S, 12	SSW, 13	S, 15		
May 25th, 6.37 p.m. to 7.48 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	51°	53°						One kite, 77 sq. ft. Light variable breeze.
		Humidity	97%	100%						
		Wind Velocity, m. per hr.	E by N, —	E by N, 17						
May 17th, 4.0 p.m.	Manchester.	Temperature F.								*Ballon-sonde.*—Started with vertical vel. 480 ft. per min. Max. height, 10,000 ft. (?) Temp., diff. 36° F. (?) Found near Cheadle, 8 m. S by W. Balloons and instruments seriously damaged. Results doubtful.
		Humidity								
		Wind Velocity, m. per hr.	NNE, 10							

* Pilot balloon; uniform ascension † Estimated. al velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *May 29th, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 22. TWENTY-SECOND WEEK, ENDING SATURDAY, JUNE 1ST, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was again cold, dull, and very unsettled. In many parts of the Kingdom the conditions were fair during the first two or three days, but subsequently became very rainy, especially in the western and northern districts. In the north-east of Great Britain the rain, which commenced on Thursday, lasted with scarcely any intermission until the close of the week. Thunder was heard at Marchmont on Monday, while thunderstorms were rather general on Friday in the extreme south-east of England and general over a larger area in the south-eastern and south Midland Counties on Saturday.

Temperature was again below the normal except in Ireland S., the deficit ranging from about a degree in England S.W. and the Channel district to nearly 4° in Scotland N. and to rather more than 7° in Scotland E. The highest of the maxima were recorded either on Sunday or Monday, and ranged from 79° in Scotland N. (at Lairg on Sunday), 73° in Scotland W., England S.W., and Ireland S. to 65° in England N.E. During the latter part of the week the maxima were much lower, especially in the north and north-east, the thermometer in the latter region seldom touching 50°. The absolute minima which were registered about the middle of the week, were as low as 30° in Scotland E., 31° in England N.W., and 32° in England N.E.; elsewhere they ranged from 34° in Scotland N. to 43° in England S. and Ireland N. and to 45° in the Channel Islands.

Mean Temperature of the Sea.—At all the observing stations except Margate, Ballantrae, and Sheephaven the water was warmer than during the preceding week; the advance was less than a degree in most places, but amounted to 3° at Plymouth. The actual figures ranged from 54·5° at Newquay and about 54° at Plymouth, Eastbourne and Seafield to less than 50° on the north and north-east coasts of Great Britain, the lowest value being 46·8° at Burnmouth.

Rainfall exceeded the average in all districts excepting the English Channel, the excess being very large in all parts of the Kingdom except Scotland N. and England S.W.; in Scotland E. and England N.E. the fall amounted to more than three times the normal. Several measurements of an inch or more were recorded as the result of one day's rain, and many of a little less than an inch. At Ulverston on Thursday, 2·55 ins. were recorded. At Scarborough and Crathes on Friday, the figures were 1·12 in. and 1·15 in., at Nairn on Saturday 1·17 in., and at Canterbury, Oxford and Epsom about 1·25 in. At the more southern stations the rains were associated with electrical disturbances. At Epsom on Saturday 0·80 in. fell in 20 minutes.

Bright Sunshine was below the normal at all stations except Stornoway, Leith, and Fort Augustus, the deficit being generally large. The percentage of the possible duration ranged from 30 in Scotland W. and 29 in Scotland N. to 15 in Ireland N., 14 in England E., and to 11 in England N.E. and the Midland Counties.

Barometer and Wind.—The anticyclonic system over the Icelandic region maintained its position, although by the end of the week it had become considerably reduced in intensity. Low pressure systems of little depth again advanced towards this country from the Bay of Biscay, while late in the week a larger system having its centre over the Atlantic spread gradually over the whole Kingdom. By Saturday, the central area of this system, which had undergone much modification in shape owing to the appearance of a secondary disturbance over our south-eastern districts, extended in an elongated band from some distance beyond Ireland to the Netherlands. The wind continued between North and East throughout the period over the northern parts of these Islands, but was more variable in direction in the South and West; drawing into South-East or South towards the end of the week and into West or South-West by Saturday.

THE WEEK

For explanation of the terms "Unusual," &c., *see* p. 172.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Very heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Very heavy	Heavy	Moderate
	Sunshine ...	Moderate	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1907. 13 weeks from Mar. 3rd.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

PAST SEASONS.

SPRING, 1906. Mar. 4th–June 2nd. 13 weeks.	Warmth ...	2 * 4	2 * 6	6 * 4	4 * 5	5 * 5	3 * 6	3 * 6	4 * 5	4 * 7	3 * 6	2 * 5	2 * 6
	Rainfall ...	8 * 4	7 * 3	2 * 5	1 * 4	3 * 4	2 * 2	7 * 4	7 * 5	5 * 6	7 * 4	3 * 5	2 * 4
	Sunshine ...	2 * 5	5 * 4	7 * 4	5 * 6	5 * 4	5 * 3	5 * 5	4 * 4	5 * 4	2 * 5	5 * 3	6 * 6
SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (22nd)—May 26th to June 1st, 1907.

DISTRICTS. (See p. 171.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	79	33	52·2	40·2	45·8	- 4·1	34	- 24	5	+ 4	3	- 1	0·67	+0·15	36	- 4	29	- 4
Eastern																		
1. SCOTLAND, EAST	66	30	50·6	39·1	44·3	- 7·2	28	- 41	8	+ 7	4	0	1·63	+1·15	33	- 10	28	- 8
2. ENGLAND, N.E.	65	32	54·8	44·4	49·3	- 3·1	51	- 22	0	0	4	+ 1	1·36	+0·93	13	- 27	11	- 24
3. ENGLAND, EAST	69	36	58·2	47·5	52·5	- 2·0	74	- 14	0	0	4	+ 2	0·94	+0·48	16	- 33	14	- 29
4. MIDLAND COUNTIES	71	38	58·7	46·6	52·3	- 2·1	72	- 16	0	- 1	4	+ 1	1·10	+0·60	12	- 31	11	- 28
5. ENGLAND, SOUTH	71	43	60·2	48·8	54·2	- 1·4	85	- 10	0	0	3	+ 1	0·63	+0·17	23	- 26	21	- 23
Western																		
6. SCOTLAND, WEST	73	35	56·6	44·7	50·3	- 2·4	58	- 18	0	0	4	+ 1	1·20	+0·59	36	- 11	30	- 10
7. ENGLAND, N.W.	70	31	58·0	46·4	51·9	- 1·8	69	- 13	0	0	5	+ 2	1·00	+0·50	22	- 25	19	- 22
8. ENGLAND, S.W...	73	37	60·6	47·8	53·8	- 0·9	83	- 6	0	0	3	0	0·54	+0·06	29	- 22	26	- 19
9. IRELAND, NORTH	69	43	57·0	47·7	52·1	- 0·9	71	- 6	0	0	4	+ 1	1·33	+0·78	17	- 27	15	- 23
10. IRELAND, SOUTH	73	41	61·5	49·8	55·3	+ 0·9	93	+ 6	0	0	5	+ 2	1·03	+0·44	23	- 24	20	- 21
11. ENGLISH CHANNEL	70	45	59·9	49·7	54·5	- 1·1	88	- 7	0	0	3	0	0·32	-0·18	29	- 27	27	- 25

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 13 Weeks, March 3rd to June 1st, 1907.

0. SCOTLAND, NORTH	79	18	*	*	*	*	350	-20	186	- 41	64	+ 6	11·14	+2·02	408	- 9	32	- 1
Eastern																		
1. SCOTLAND, EAST	67	10	*	*	*	*	395	- 67	217	- 14	50	+ 1	7·09	+1·14	431	- 10	34	- 1
2. ENGLAND, N.E...	82	24	*	*	*	*	519	+ 47	158	- 16	50	+ 6	6·52	+1·43	478	+ 47	38	+ 4
3. ENGLAND, EAST	81	21	*	*	*	*	613	+ 12	139	- 43	50	+ 9	6·06	+1·09	528	+ 33	42	+ 3
4. MIDLAND COUNTIES.. ..	82	18	*	*	*	*	619	+ 4	163	- 34	50	+ 9	6·69	+1·16	435	- 12	35	- 1
5. ENGLAND, SOUTH	76	20	*	*	*	*	643	- 6	110	- 12	48	+ 9	6·47	+1·31	533	+ 36	43	+ 3
Western																		
6. SCOTLAND, WEST	73	23	*	*	*	*	493	- 4	140	- 21	52	+ 3	11·86	+2·84	434	- 32	34	- 3
7. ENGLAND, N.W...	76	23	*	*	*	*	536	+ 6	128	- 7	52	+ 7	7·65	+1·03	457	- 8	36	- 1
8. ENGLAND, SW.	76	20	*	*	*	*	585	- 29	108	+ 6	52	+ 8	8·73	+1·65	486	- 43	39	- 4
9. IRELAND, NORTH	70	26	*	*	*	*	495	- 40	84	- 44	59	+ 6	11·07	+3·64	413	- 30	33	- 2
10. IRELAND, SOUTH	73	27	*	*	*	*	615	- 18	65	- 29	62	+14	8·62	+0·65	462	- 24	37	- 2
11. ENGLISH CHANNEL	70	29	*	*	*	*	683	- 17	6	- 24	45	- 1	6·74	+0·73	550	- 46	45	- 4

THE YEAR.—Aggregates, &c., for the period of 22 Weeks, December 30th, 1906, to June 1st, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	403	- 27	521	- 22	112	+ 8	23·22	+4·11	503	- 4	28	0
Eastern																		
1. SCOTLAND, EAST	67	5	*	*	*	*	464	- 70	599	+ 11	80	- 4	10·53	-0·18	593	+ 30	33	+ 2
2. ENGLAND, N.E.	82	15	*	*	*	*	594	+ 42	501	+ 26	78	+ 1	8·80	+0·32	657	+111	36	+ 6
3. ENGLAND, EAST	81	10	*	*	*	*	659	- 32	518	- 3	77	+ 2	8·70	+0·28	684	+ 49	38	+ 3
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	685	- 34	540	+ 7	74	0	9·15	-0·53	591	+ 24	33	+ 1
5. ENGLAND, SOUTH	76	16	*	*	*	*	716	- 51	434	+ 53	70	- 1	9·19	-0·42	691	+ 60	38	+ 3
Western																		
6. SCOTLAND, WEST	73	16	*	*	*	*	568	- 20	404	- 6	90	+ 1	19·61	+1·58	550	- 23	30	- 1
7. ENGLAND, N.W.	76	15	*	*	*	*	596	- 28	418	+ 32	86	+ 5	11·85	-0·43	603	+ 27	33	+ 1
8. ENGLAND, S.W...	76	5	*	*	*	*	665	-100	396	+ 95	87	+ 7	13·44	-0·67	643	- 29	35	- 2
9. IRELAND, NORTH	70	16	*	*	*	*	588	- 72	292	- 53	102	+ 7	16·18	+2·20	529	- 32	29	- 2
10. IRELAND, SOUTH	73	11	*	*	*	*	772	- 47	256	- 3	98	+12	12·39	-3·15	591	- 31	33	- 2
11. ENGLISH CHANNEL	70	21	*	*	*	*	846	- 73	96	- 13	79	- 8	10·34	-1·58	711	- 53	39	- 3

May 26–June 1, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	49	34	46·0	37·6	41·6	− 5·4	11	17	4	0·14	− 0·29	34·3	− 3·9	23	− 3
		Stornoway	59	40	51·6	43·7	47·4	− 1·9	38	0	2	0·33	− 0·21	44·7	+ 1·1	37	+ 1
	Mainland.	Wick	59	35	50·0	39·1	44·2	− 5·0	28	8	3	0·54	+ 0·12	*	*	*	*
		†Lairg (Strathpeffer)	79	33	53·7	37·3	45·0	− 4·2	41	13	3	1·44	+ 0·93	31·9	− 6·5	27	− 5
		Glencarron	74	36	53·9	39·6	46·3	− 3·9	40	7	4	0·88	− 0·10	*	*	*	*
		Fort Augustus	61	38	51·8	41·4	46·3	− 5·2	33	2	4	0·46	− 0·02	31·4	+ 0·4	26	0
		Fort William	77	35	58·6	42·4	50·0	− 1·9	56	0	4	0·88	− 0·05	*	*	*	*
1. SCOTLAND, E.		Nairn	65	31	50·6	39·0	44·5	− 6·6	30	8	5	1·70	+ 1·31	32·0	—	27	—
		Aberdeen	62	36	49·3	41·0	44·9	− 5·6	25	3	4	1·44	+ 0·99	32·1	− 11·2	27	− 9
		†Balmoral (Crathes)	56	30	47·1	33·0	39·6	− 9·1	14	32	3	1·47	+ 0·93	23·9	—	20	—
		†Crieff (Balruddery)	66		52·6	?	?	?	?	?	4	1·85	+ 1·27	41·7	—	35	—
		†Leith (Edinburgh)	58	37	52·0	42·4	46·9	− 5·5	34	0	4	1·35	+ 0·95	39·7	+ 3·2	34	+ 3
		Marchmont	63	34	52·1	40·0	45·7	− 4·3	34	6	4	1·98	+ 1·42	30·9	− 10·4	26	− 9
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	61	41	52·5	43·4	47·7	− 2·9	40	0	3	1·89	+ 1·39	17·2	—	15	—
		†Shields (Newcastle)	61	41	52·0	43·0	47·2	− 3·7	36	0	4	1·64	+ 1·24	7·9	− 25·4	7	− 22
		Durham	65	32	52·7	42·4	47·2	− 4·3	36	0	3	1·40	+ 0·96	7·7	− 31·7	7	− 27
		Scarborough	62	43	55·1	44·1	49·3	− 2·2	51	0	3	1·69	+ 1·25	17·6	—	15	—
		York	62	38	57·0	45·7	51·0	− 2·5	63	0	5	1·59	+ 1·15	6·9	− 33·8	6	− 29
	Southern part.	Spurn Head	57	43	53·3	46·7	49·8	− 2·5	55	0	5	1·09	+ 0·78	*	*	*	*
		†Lincoln (Skegness)	63	39	57·7	44·6	50·8	− 4·0	62	0	5	0·71	+ 0·27	17·3	—	15	—
		†Fulbeck (Rauceby)	64	38	57·7	45·5	51·2	− 4·0	64	0	5	0·83	+ 0·39	9·7	—	9	—
3. ENGLAND, E	Northern part.	Hillington	66	36	58·3	43·5	50·5	− 3·2	60	0	5	0·94	+ 0·48	14·8	− 31·4	13	− 28
		†Yarmouth (Lowestoft)	59	45	54·7	48·3	51·3	− 1·4	65	0	6	0·95	+ 0·54	20·8	—	18	—
		Geldeston	63	38	56·9	45·9	51·1	− 2·2	64	0	5	0·94	+ 0·53	14·9	− 34·0	13	− 30
		(Cromer)												18·4	—	16	—
	Southern part.	Cambridge	65	36	59·8	46·2	52·6	− 2·1	74	0	5	0·55	+ 0·09	12·8	− 33·4	11	− 30
		Felixstowe	63	45	57·9	49·4	53·4	− 1·3	80	0	3	1·15	—	21·8	—	19	—
		Clacton-on-Sea	63	45	57·0	49·1	52·8	− 2·3	76	0	3	1·02	—	20·8	—	18	—
		Rothamsted	65	39	59·0	46·9	52·6	− 1·1	74	0	4	0·92	+ 0·45	15·6	− 29·2	14	− 26
		Shoeburyness	62	42	58·4	48·0	52·9	− 2·6	76	0	3	1·40	+ 1·05	*	*	*	*
		London, Westminster	69	43	61·4	50·4	55·6	− 0·5	95	0	3	0·63	+ 0·20	13·1	− 25·4	12	− 23
		(Dunmow)												14·8	—	13	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	58	38	54·4	43·0	48·4	− 2·8	45	0	5	2·11	+ 1·61	7·0	—	6	—
		†Bawtry (Worksop)	65	38	57·4	45·6	51·2	− 2·1	64	0	5	1·03	+ 0·59	5·4	− 33·3	5	− 29
		Nottingham	69	38	57·1	46·4	51·4	− 2·5	66	0	4	0·82	+ 0·36	9·0	—	8	—
		Birmingham, Edgbaston	69	41	58·9	47·5	52·9	+ 0·5	76	0	3	0·92	+ 0·38	8·8	—	8	—
		Oxford	70	40	60·3	48·6	54·1	− 0·4	85	0	4	1·88	+ 1·43	16·4	− 28·1	15	− 25
	Western part.	†Cheadle (Sheffield)	66	38	56·6	45·2	50·6	− 1·3	60	0	4	1·39	+ 0·83	10·1	—	9	—
		Shrewsbury	70	42	60·1	47·3	53·3	− 0·9	79	0	5	0·96	—	*	*	*	*
		Hereford	70	41	60·4	48·1	53·9	− 0·3	83	0	4	0·79	+ 0·31	*	*	*	*
		Cirencester	70	39	59·4	46·7	52·7	− 0·2	75	0	5	0·83	+ 0·33	18·0	− 28·1	16	− 25
		Bath	71	42	61·9	47·6	54·3	− 1·5	86	0	3	0·26	− 0·22	23·1	—	21	—
		(Margate)												17·2	− 27·0	15	− 24
5. ENGLAND, S.		Kew	69	44	61·8	48·9	55·0	+ 0·1	91	0	3	1·21	+ 0·77	15·2	− 31·2	14	− 28
		Wisley, Surrey	69	43	60·8	48·7	54·4	− 0·5	87	0	3	1·26	—	16·6	—	15	—
		†Swarraton (Ventnor)	69	43	60·8	47·0	53·5	+ 0·9	81	0	3	0·37	− 0·10	33·7	− 15·5	30	− 14
		Tunbridge Wells	65	43	59·8	47·7	53·4	− 0·4	80	0	3	0·41	− 0·04	18·7	− 28·1	17	− 25
		†Dungeness (Littlestone)	61	46	57·3	48·7	52·7	− 1·1	75	0	3	0·54	+ 0·24	24·3	—	22	—
		Hastings	64	45	59·4	49·0	53·9	− 0·2	83	0	3	0·52	+ 0·15	29·6	− 23·9	27	− 22
		Southampton	71	45	64·9	50·5	57·3	+ 1·5	107	0	2	0·43	− 0·02	30·9	− 18·6	28	− 17
		†Portland Bill (Worthing)	60	46	56·6	49·9	53·1	− 1·5	78	0	2	0·28	—	23·7	—	21	—
		(Eastbourne)												34·1	− 17·7	31	− 16
6. SCOTLAND, W.		†Laudale (Oban)	73	38	58·7	43·6	50·7	− 1·6	61	0	4	1·05	+ 0·18	48·3	—	41	—
		Glasgow	69	38	55·0	42·4	48·3	− 3·7	44	0	4	1·14	+ 0·57	34·9	− 2·9	30	− 2
		Dumfries	65	36	56·7	45·0	50·5	− 2·0	60	0	4	1·16	+ 0·57	*	*	*	*
		Cally	62	35	55·2	45·2	49·9	− 2·1	55	0	4	1·36	+ 0·67	*	*	*	*
		Douglas, Isle of Man	65	43	57·3	47·5	52·1	+ 0·2	71	0	4	1·30	+ 0·76	23·2	− 28·4	20	− 25
7.	ENGLAND, N.W.	Aspatria	59	35	55·5	44·4	49·6	− 2·9	53	0	5	1·06	+ 0·51	11·2	—	10	—
		Newton Rigg	61	31	55·0	43·8	49·1	− 1·9	50	0	6	0·89	+ 0·42	9·5	− 37·1	8	− 32
		Stonyhurst	61	38	56·3	46·2	51·0	− 1·4	63	0	5	1·65	+ 1·00	15·3	− 29·7	13	− 26
		Blackpool	62	37	56·9	46·4	51·3	− 1·6	65	0	5	0·93	+ 0·46	21·4	− 24·7	19	− 22
		Manchester, Prestwich	65	37	57·4	45·5	51·1	− 1·4	64	0	5	1·60	+ 1·01	21·6	− 17·7	19	− 16
		†Liverpool Obs. (Hoylake)	65	43	57·9	47·1	52·2	− 1·6	71	0	5	0·84	+ 0·39	24·2	—	21	—
		†Hawarden Bridge (Southport)	64	44	59·1	47·9	53·2	− 1·1	78	0	5	0·81	+ 0·44	23·4	− 26·6	20	− 23
	NORTH WALES	Llandudno	65	45	60·1	48·6	54·0	0·0	84	0	5	0·57	+ 0·13	37·4	− 9·6	33	− 8
		†Holyhead (Aberdovey)	65	45	59·0	47·1	52·7	− 0·5	75	0	4	1·00	+ 0·55	29·6	—	26	—
		Bettws-y-Coed	70	41	62·7	47·0	54·4	+ 0·6	87	0	5	0·62	—	27·6	—	24	—
8.	SOUTH WALES	Llangammarch Wells	68	37	60·0	45·0	52·1	− 0·8	71	0	4	0·59	—	29·5	—	26	—
		Pembroke	63	45	56·4	47·4	51·6	− 1·1	67	0	3	0·98	+ 0·54	29·6	− 21·3	26	− 19
		†Cardiff (Aberystwyth)	71	43	61·3	48·2	54·4	− 0·7	87	0	4	0·75	+ 0·19	24·0	—	21	—
	ENGLAND S.W.	Clifton	71	43	61·8	49·6	55·3	0·0	93	0	4	0·44	− 0·03	25·3	—	23	—
		†Shaftesbury (Marlborough)	70	39	61·5	44·7	52·6	+ 0·1	74	0	3	0·22	− 0·28	16·2	− 26·4	15	− 24
		†Arlington (Newquay)	67	43	61·0	47·6	53·9	+ 1·4	83	0	2	0·74	+ 0·10	34·7	− 16·2	31	− 15
		Cullompton	73	43	64·5	48·1	55·8	+ 1·3	97	0	2	0·34	− 0·16	29·2	− 16·5	26	− 15
		Plymouth	64	46	59·4	49·4	54·1	− 1·2	85	0	4	0·49	+ 0·04	26·1	− 23·8	24	− 22
		Falmouth	62	48	59·6	50·2	54·6	+ 0·5	88	0	4	0·35	− 0·18	30·0	− 23·2	27	− 21
		(Torquay)												37·3	− 14·3	34	− 13
9. IRELAND, N.	Western part.	Malin Head	58	43	53·3	45·7	49·3	− 2·4	51	0	4	1·42	+ 0·95	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	63	47	58·4	49·4	53·6	+ 0·9	81	0	5	2·15	+ 1·55	*	*	*	*
		Markree Castle	67	44	61·2	48·9	54·7	+ 2·9	89	0	4	0·91	+ 0·28	20·6	− 21·0	18	− 18
	Eastern part.	Armagh	69	44	59·1	48·3	53·4	+ 1·1	80	0	4	0·84	+ 0·31	14·0	− 27·4	12	− 24
		Donaghadee	61	44	53·0	46·0	49·3	− 2·8	51	0	5	1·32	+ 0·80	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park)	68	47	61·1	50·2	55·3	+ 1·0	93	0	3	0·66	+ 0·22	14·3	− 33·0	13	− 29
		Kilkenny	67	41	61·6	48·6	54·7	+ 1·4	89	0	4	0·81	+ 0·31	*	*	*	*
		Waterford	69	43	62·0	48·4	54·8	+ 1·4	90	0	4	1·19	+ 0·64	*	*	*	*
	Western part.	Birr Castle	68	44	63·1	48·4	55·3	+ 2·1	93	0	4	0·60	+ 0·07	25·2	− 16·2	22	− 14
		Foynes	68	47	63·0	49·8	56·0	+ 2·4	98	0	6	1·09	+ 0·56	*	*	*	*
		Killarney	73	45	62·8	50·3	56·2	+ 2·5	99	0	5	0·66	0·00	*	*	*	*
		Valencia	65	46	60·6	51·6	55·8	+ 2·1	97	0	6	1·74	+ 1·00	21·5	− 25·3	19	− 22
		†Roches Point (Ballinacurra)	63	49	57·9	51·4	54·5	+ 0·2	88	0	6	1·46	+ 0·82	30·9	—	28	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	59	49	56·1	49·4	52·6	− 1·7	74	0	4	0·37	− 0·01	16·5	− 38·9	15	− 35
		†Jersey, St. Aubins (St. Heliers)	70	45	62·3	49·7	55·6	0·0	95	0	3	0·28	− 0·16	35·4	− 21·2	32	− 19
		Guernsey	66	49	61·3	50·1	55·4	+ 1·0	94	0	2	0·32	− 0·14	35·4	− 23·1	32	− 21

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets

Additional Sunshine Totals for the week: Ramsgate, 22·0 hrs., 20 %; Brighton, 22·8 hrs. (− 28·4), 21 % (− 26 %); Bournemouth, 43·5 hrs., 39 %; Bognor, 24·8 hrs., 22 %; Rhyl, 28·2 hrs., 25 %; Tenby, 35·2 hrs. (− 16·6), 31 % (− 15 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	46·6
	Crathes	1	29	49·1	47·2
	Balmoral	4	25	—	—
	Marchmont ..	—	—	50·1	—
2.	Cockle Park	0	32	50·7	47·8
	York	—	—	51·1	48·9
	Hull	0	32	51·4	49·3
	Lincoln	—	—	52·6	49·7
3.	Lowestoft	—	—	55·4	51·8
	Cambridge	0	31	55·8	52·6
	Dunmow	0	34	—	—
	Clacton-on-Sea ..	0	40	55·0	52·8

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	0	34	50·6	49·4
	Sheffield	0	36	49·8	47·1
	— — ..				
	Birmingham	0	38	49·8	47·3
	Nottingham	0	36	52·1	49·5
	— — ..				
5.	Kew	0	38	55·4	51·5
	Canterbury	0	42	55·6	52·1
	Portsmouth	0	42	57·9	54·1
	Wisley	—	—	55·9	52·4
	— — ..				
6.	Glasgow	0	33	—	—
	— — ..				

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet
			°	°	°
7.	Newton Rigg ..	1	26	51·5	48·0
	Southport	0	36	55·5	52·6
	Manchester City ..	0	37	53 2	49·9
	Bettws-y-Coed ..	0	40	52·4	48·9
	— — ..				
8.	Llangammarch Wells	1	30	53·9	49·2
	Bath	—	—	—	—
	Plymouth	0	43	57·0	—
	— — ..				
9.	Armagh	0	41	54·8	50·7
	Markree Castle ..	0	39	—	—
10.	Dublin, Trin. Coll. ..	0	35	54·1	51·1
11.	Guernsey, Brooklyn	—	—	—	—

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	47	47·3
	Kirkwall	51	47	49·2
	Wick	47	47	47·0
SCOTLAND, E.	Cromarty	49	46	47·8
	Pennan Bay	50	46	49·1
	Aberdeen, Cove Bay ..	48	47	47·9
ENGLAND, N.E.	Burnmouth, Berwick ..	50	44	46·8
	Scarborough	49	46	47·5
ENGLAND, E.	Shipwash Lightship ..	53	50	51·4
	Margate‡	58	50	52·7
ENGLAND, S.E.	Eastbourne‡	55	53	54·1

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	51	46	48·7
	Ballantrae	50	48	49·0
ENGLAND, N.W.	Port Erin	50	48	48·7
ENGLAND, S.W.	Newquay	55	54	54·5
	Plymouth‡	59	53	54·0
	Salcombe	53	51	52·2
IRELAND, N.W.	Sheephaven	54	50	51·6
	Ballyglass	57	50	53·4
IRELAND, S.W.	Cleggan	56	52	53·2
	Seafield	58	51	53·9
IRELAND, E.	Kingstown‡	52	51	51·4

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

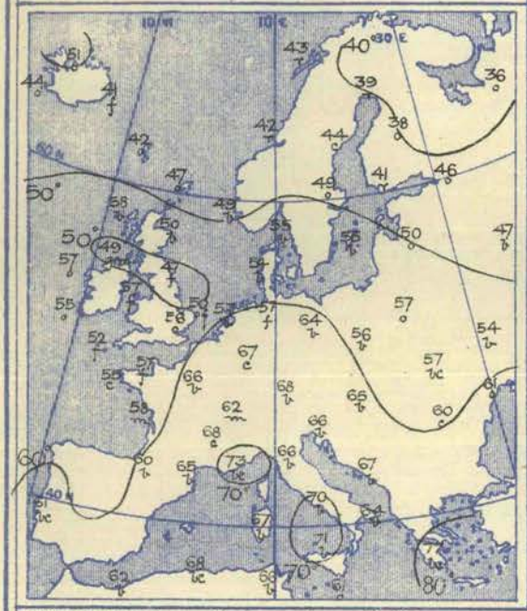
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

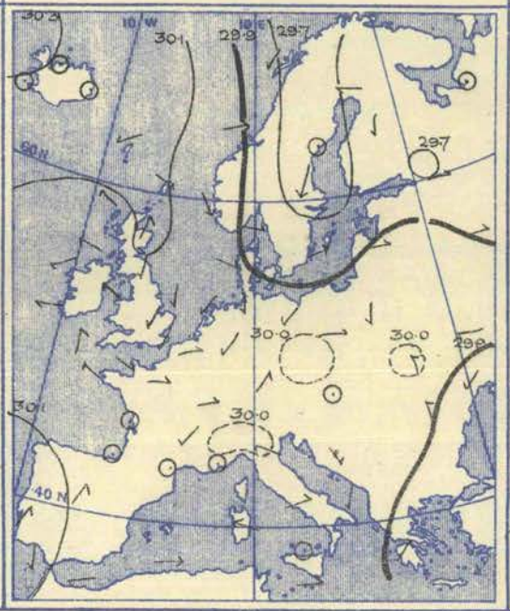
The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years, 1881—1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

Sunday, 26th May, 1907.

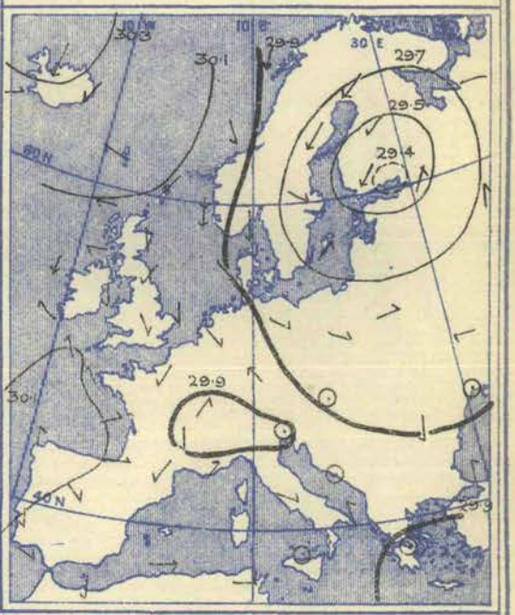
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair to very fine and bright over Scotland and the greater portion of central and southern Europe; overcast in nearly all other regions, with fog in Iceland and on several of our own coasts and also at Cuxhaven, and rain at many stations in the south of England, the north-west of Norway and at Hangö and Haparanda. A thunderstorm, with 0·7 in. of rain, occurring later at Blacksod Point and thunder heard at Spurn Head. Some rain experienced in various parts of England and at isolated places on the Continent.

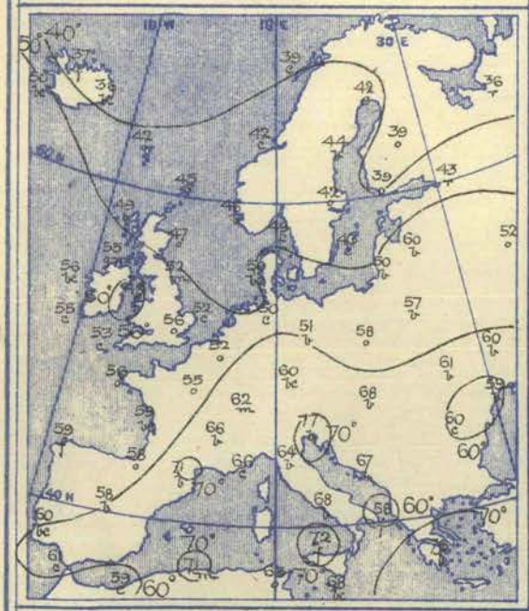
Temperature risen in Scotland, changed irregularly or fallen elsewhere. Readings in morning 70° or above at a few stations on the shores of the Mediterranean and as high as 77° at Athens; above 60° over a large part of central Europe, and as high as 59° at Aberdeen. About 50° in the north-east of England and below 40° in the north-east of our area. Rising during day to 88° at Florence, 86° at Aumale and Nancy, and to about 80° in many parts of Germany. Maxima rather low over this country generally, but high in some Scottish localities; thermometer rising to 79° at Lairg, and to 77° at Fort William.

Wind in morning light and variable over the southern half of our area, but mainly between North and East over these Islands. A cyclonic circulation, moderate to strong in force prevailing over Scandinavia and its vicinity. Northerly current increasing in force over Norway during day and blowing a gale in places.

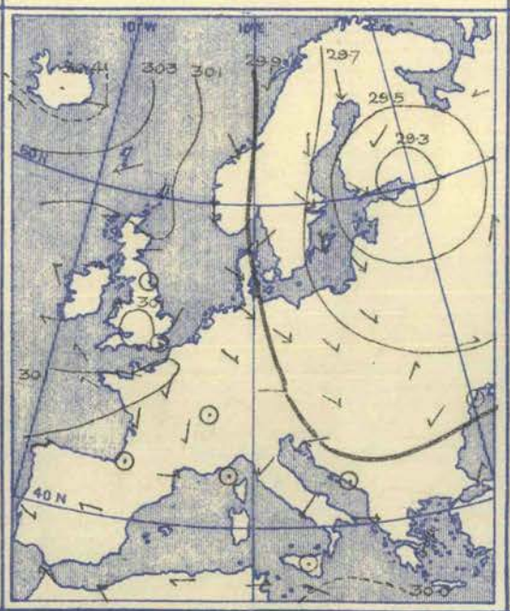
Barometer in morning above 30·2 ins. in an anticyclonic system over the Icelandic region, above 30·1 ins. over the western half of the Spanish Peninsula, and relatively high over patches of central Europe. Below 29·7 ins. in a large depression covering the Gulf of Bothnia and most of Sweden. Latter system moving eastwards and growing deeper during day. Pressure changing slightly and rather irregularly as a whole, but a shallow depression forming over northern Italy and its neighbourhood. Spanish high pressure extending over the Bay of Biscay to the south-west of England.

Monday, 27th May, 1907.

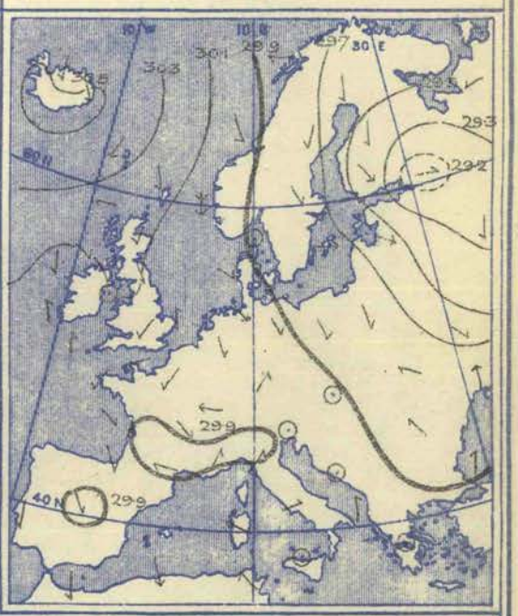
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of southern Europe and also in several parts of Scandinavia and Ireland, but overcast or very cloudy as a whole, with fog over the Irish Sea, rain over Finland and the adjacent portion of Russia, and snow at Grimstadir. Rain also falling at Cracow. Thunderstorms, with heavy rain, experienced later at many southern French stations, more than half an inch of rain falling at Vienna, and about the same quantity of snow at Kuopio. Scarcely any rain in these Islands.

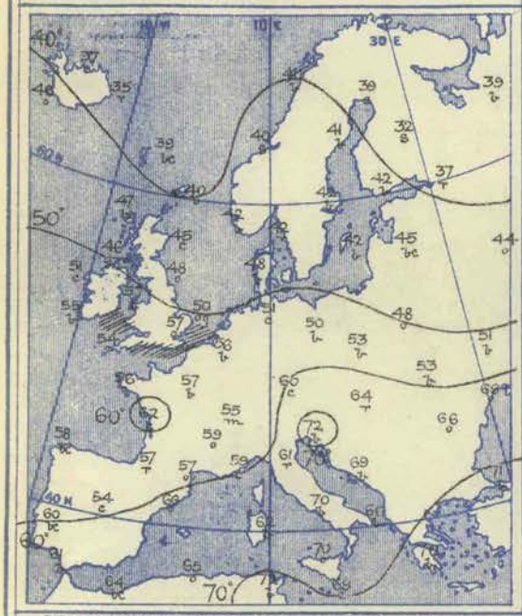
Temperature fallen generally, but risen at some English stations. Readings in morning above 70° in Greece and in a few other parts of southern Europe, but rather low over the more northern countries. Below 40° over most of Iceland and in the north-east of our area. Rising during day to about 70° in various parts of England and Wales, to above 75° in Austria and the south of Europe, and to above 80° in places. Maxima below 50° at some Scottish stations and much lower than of late over North Germany.

Wind in morning showing a very extensive and well-marked cyclonic circulation over all the east and north-east of our area, the Northerly current over Scandinavia blowing a gale in several places. Light breezes from no general direction prevailing elsewhere. Little change later as a whole, a considerable decrease in force taking place in Norway and Sweden.

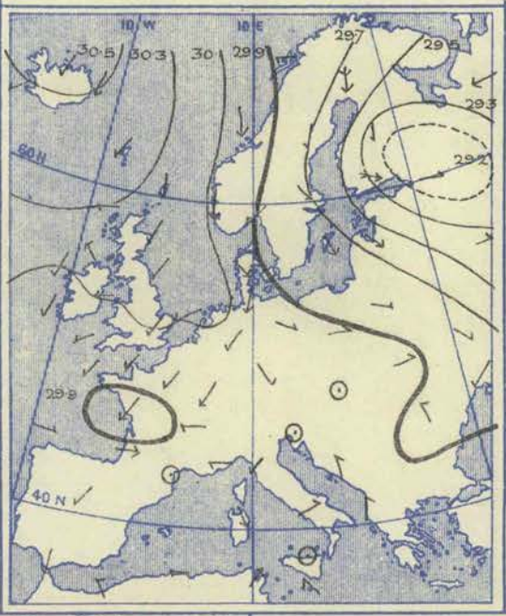
Barometer in morning ranging from above 30·4 ins. in Iceland, to below 29·2 ins. in a depression having its centre close to St. Petersburg. Pressure very uniform over the United Kingdom and the Mediterranean region. Russian disturbance moving slowly eastwards and increasing somewhat in depth during day. Barometer rising over the north of our Islands, falling in the south and over France and the Spanish Peninsula. Little modification occurring in the general distribution of pressure.

Tuesday, 28th May, 1907.

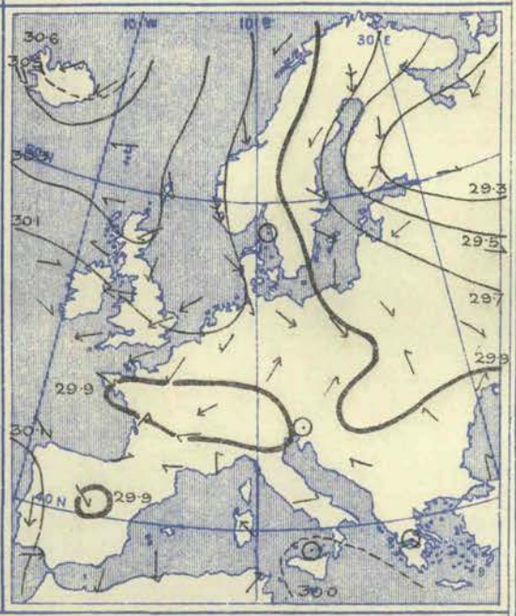
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in nearly all parts of Great Britain, and variable from clear to dull over our area generally. Rainy in places over a very large area—at Seydisfjord, Donaghadee, Biarritz, Florence, Buda-Pesth, Skagen, and St. Petersburg. Snow falling at Christiansund. Thunderstorms and considerable falls of rain experienced in many parts of France and at Buda-Pesth during day, and rather heavy rain falling in Finland and at St. Petersburg. Conditions remaining dry at almost all our own stations.

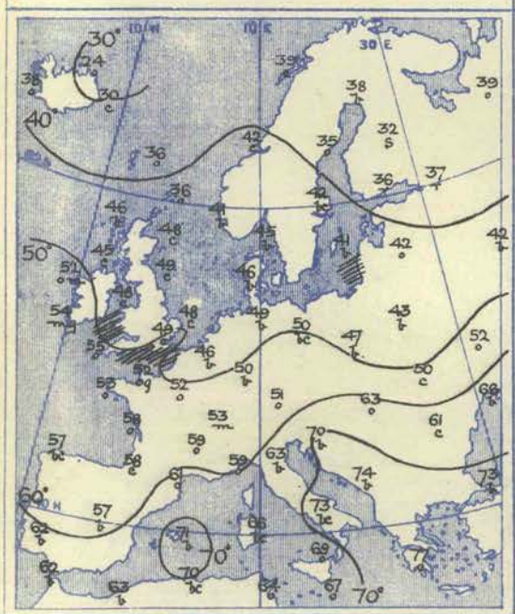
Temperature falling generally, risen in the Black Sea region and at Tunis. Readings in morning about 55° over the south of England, but below 50° over Great Britain as a whole, and below 45° in the north-east of Scotland. Below 40° in the north-east of Europe and in most parts of Iceland, above 60° at nearly all the Mediterranean stations, and as high as 72° at Tunis and Trieste, and 76° at Patras. Rising during the day to 86° at Patras and Rome, and to between 70° and 80° in the south generally, but remaining below 50° in various parts of Scotland, and only slightly exceeding it at many stations in England.

Wind in morning showing two cyclonic circulations—one around the Bay of Biscay, and the other over all the north-eastern regions of Europe. Northerly to North-Westerly current moderate to strong over Scandinavia and the Baltic, and Easterly to North-Easterly current moderate over our Islands and the north of France. Light, variable airs prevailing over the south of our area. A gale from the North-Westward experienced later at Skudesnaes and some increase in the force of the North-East wind taking place on our south-east coasts, and also over the Irish Sea.

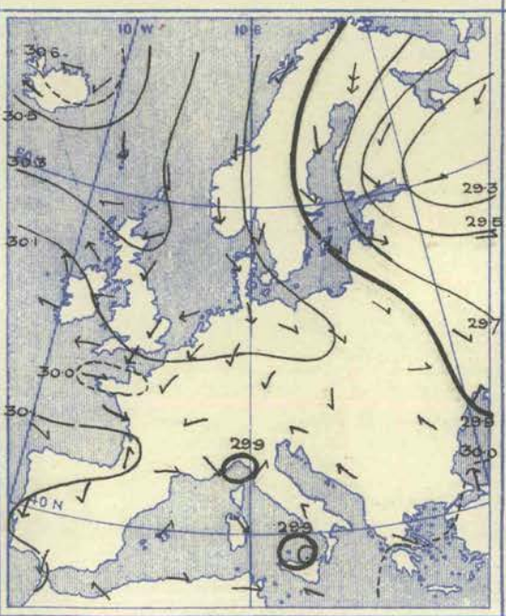
Barometer in morning above 30·5 ins. in an anticyclone over Iceland and to the northward of that island; below 29·9 ins. in a depression having its centre near Bordeaux, and below 29·1 ins. in another disturbance centred not far from St. Petersburg. High pressure system increasing in intensity by evening, French depression moving northwards and extending eastwards, and that over Russia apparently travelling eastwards. A local minimum forming over central Spain.

Wednesday, 29th May, 1907.

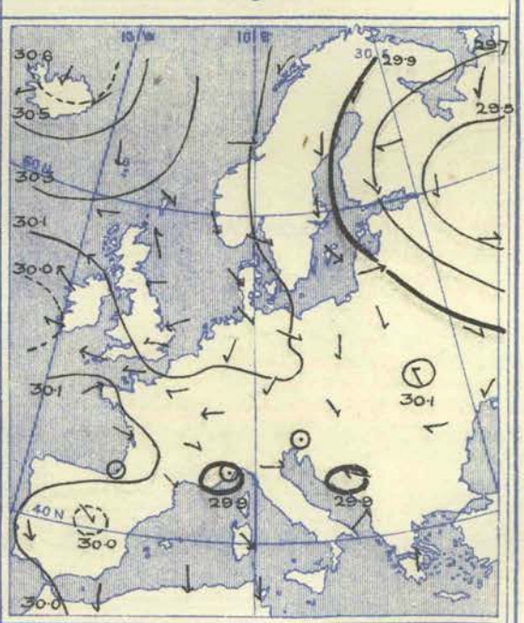
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of southern Europe and over the region of the Baltic; cloudy or quite overcast in nearly all other districts, with rain at La Hève and rain or snow in Finland. Rain falling later in Ireland and the west and north of Great Britain, and also over Italy and the adjacent parts of France. Largest amounts, 0·9 in. at Pesaro and 0·8 in. at Roche's Point.

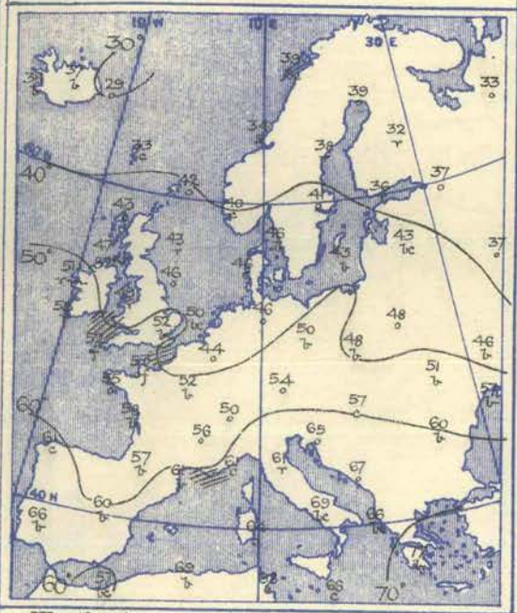
Temperature risen in various parts of the south of our area, fallen generally elsewhere. Readings in morning below 45° at some of our northern stations and below 50° over nearly all parts of our Islands; less than 40° in Iceland and the north-east and north of Europe. Above 60° on most shores of the Mediterranean and above 70° in places; highest values, 73° at Naples and Constantinople, 74° at Lesina, and 77° at Patras. Maxima during day less than 55° over almost the whole of the United Kingdom and only 50° at several stations. Thermometer rising to above 80° in many southern localities and to 88° at Patras.

Wind in morning circulating cyclonically over Russia and the adjacent countries and also around Brittany and some parts of the Mediterranean region. Easterly current high at Portland Bill and fresh or strong at some of our other stations; little force over our area generally, but a Northerly to North-Westerly gale blowing over some parts of Scandinavia. Gale subsiding by evening, but little other change occurring.

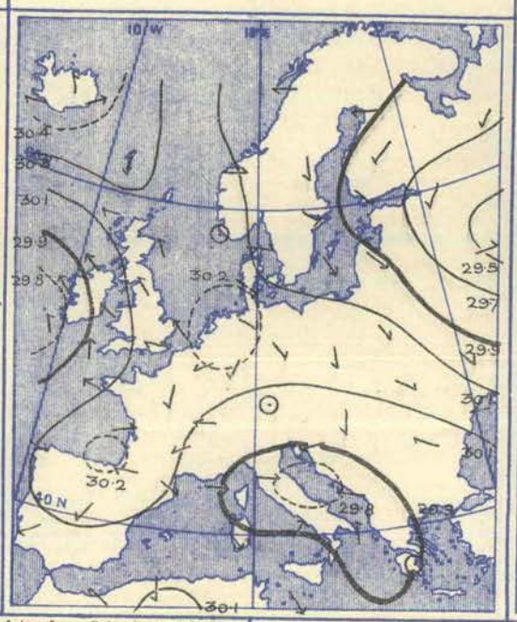
Barometer in morning above 30·6 ins. in an anticyclone over Iceland and its neighbourhood; below 30·0 ins. in a small depression lying over Brittany, and as low as 29·2 ins. in a large disturbance centred over the north of Russia. Other less important depressions existing over the Mediterranean. A gentle fall of the barometer taking place later over the major portion of these Islands and a depression appearing off the south-west of Ireland. Disturbance over Brittany partially dispersing by evening and that over Russia moving further eastwards.

Thursday, 30th May, 1907.

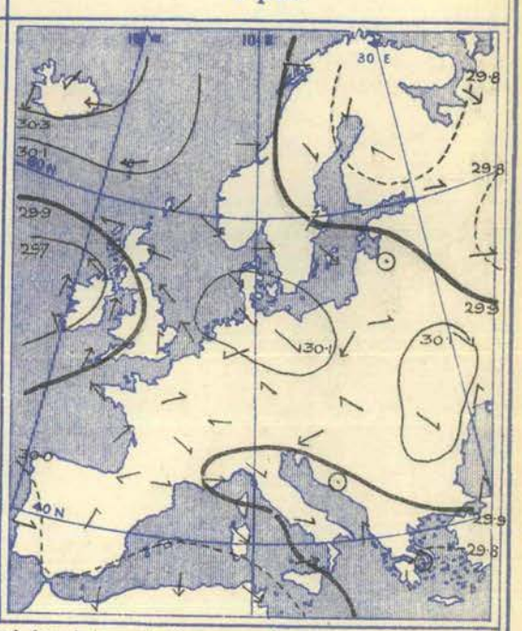
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the western and northern districts of our Islands, in Finland, and over the north of Italy; fair or fine in nearly all other regions. More or less rain falling throughout the United Kingdom subsequently, about half an inch in the north-east, nearly an inch in Ireland, and as much as 2·55 ins at Ulverston. Smaller amounts also reported from Italy and some stations in the extreme north-east of our area.

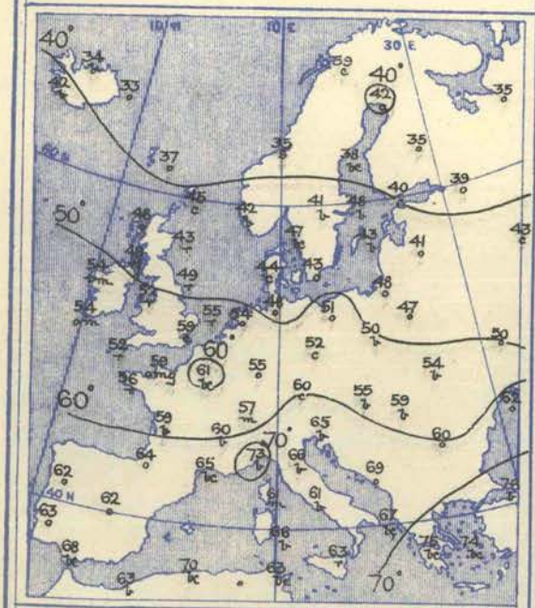
Temperature in morning showing little change as a whole, but lower than on the preceding day in Scotland and Italy, and higher over the Iberian Peninsula. Readings only a little above 40° in North Britain and below 50° over most of our Islands as well as in the Netherlands. Below 32° in several parts of Iceland, and not much above it in the north-east of Europe; thermometer nearly 80° in Greece and about 70° at some other southern stations. Maxima less than 50° in the north of this country and less than 60° at most southern stations, but readings above 70° were common in the Mediterranean region and Spain. Highest values, 86° at Madrid and 88° at Patras.

Wind in morning light to fresh from between South-East and East over these Islands, and from the North-Westward over Sweden and the Baltic. A well-marked cyclonic circulation of light or moderate winds prevailing over Italy and its vicinity. Current becoming more Southerly later over the south and south-west of England and in Ireland.

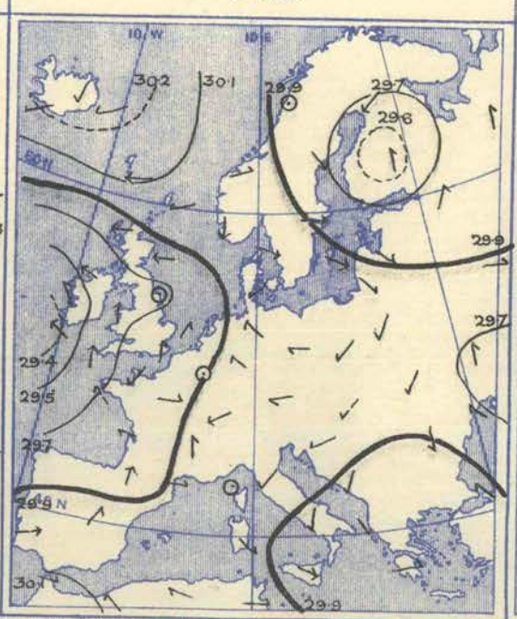
Barometer in morning above 30·4 ins. over Iceland and above 30·2 ins. over the Low Countries and their neighbourhood. Below 29·8 ins. in a depression off the west of Ireland and in another over Italy and the Adriatic, and less than 29·5 ins. in a large disturbance over Russia. Pressure giving way during day over the whole of western and north-western Europe, and Irish depression moving slowly northwards. Gradients increasing over our northern and north-western districts.

Friday, 31st May, 1907.

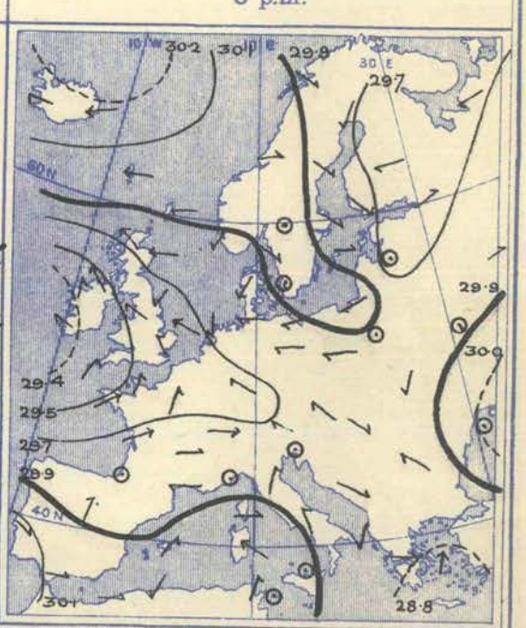
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. still rainy over the north and west of these Islands, and also in some southern districts. Fair or fine over the major portion of the Continent, but dull in the north-east, rainy at Brest, and snow falling at Christiansund. Thunderstorms later in the north east of France and the south-east of England, and continuous rain in many parts of the north-east and north of these Islands. Heavy rain also experienced in some Continental localities. Measurements at 8 a.m. 0·7 in. at Aberdeen, 0·9 in. at North Shields and Spurn Head, and also at Toulouse, and 1·0 in. at Flushing.

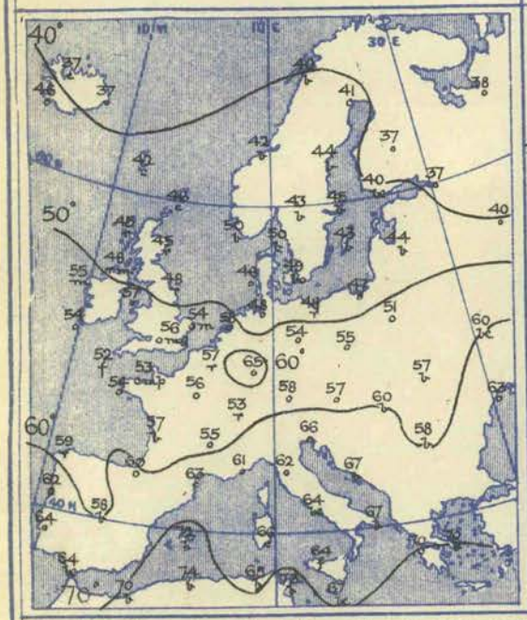
Temperature risen in many Continental localities as well as in most parts of these Islands, but readings in morning still below 45° at some Scottish stations and only slightly above 32° in north-eastern Europe. Thermometer above 70° in the south-east of our area, and as high as 76° at Constantinople. Maxima between 70° and 80° in many southern regions and also in central Europe, but not much above 60° in the south and south-west of these Islands, and below 50° at many of our northern and north-eastern stations.

Wind in morning Southerly to South-Easterly in the south and west of our Islands, and Easterly in the north; light generally, but fresh in some places. Light South-Easterly breezes prevailing over the Bay of Biscay and light South-Westerly breezes over Spain. A complete cyclonic movement shown over Finland, and light variable airs over the Mediterranean. Becoming rather more Southerly over the United Kingdom by evening, and increasing somewhat from the South-Eastward in the north of Scotland.

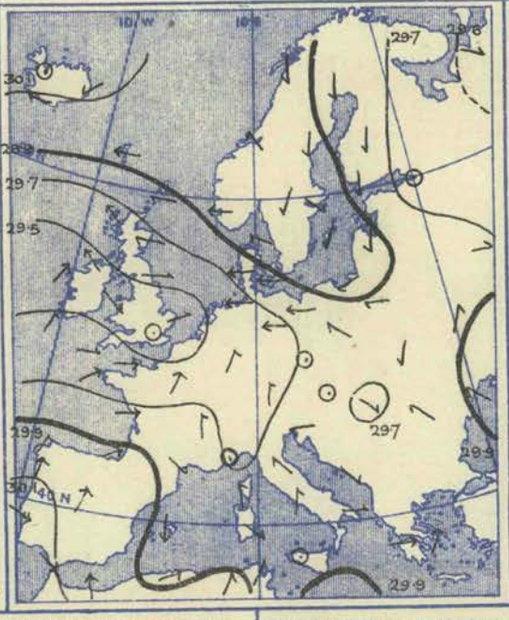
Barometer in morning ranging from above 30·2 ins. in Iceland and above 30·1 ins. in the south of Russia to below 29·6 ins. in a disturbance over Finland, and to less than 29·4 ins. in a depression off Ireland. Relatively low in a large system over the south-east of Europe. Barometer falling rather briskly during day over the south and south-west of England and the north of France, and slightly over north-western Europe generally. No great modification taking place in the general distribution of pressure.

Saturday, 1st June, 1907.

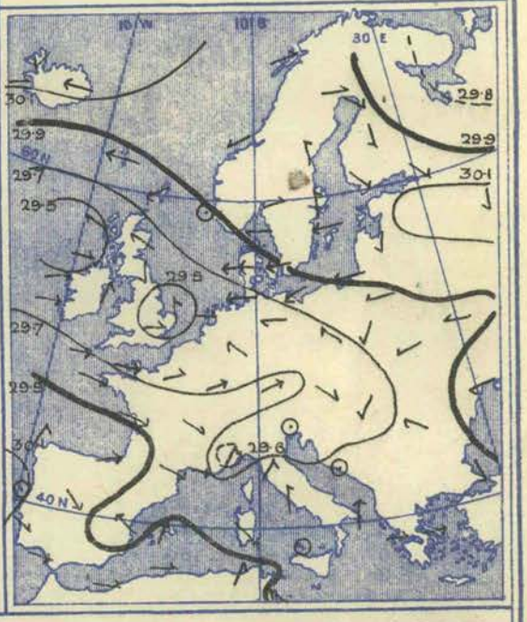
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning rainy in the north and north-east of Great Britain, at some Irish stations, and in the north of France, as well as at Corunna and Swinemünde; fair or fine over the major portion of Scandinavia and southern Europe. Thunderstorms experienced later over the south and south-east of England and the adjacent part of France, and also at Lyons. As much as 1·28 in. of rain falling at Oxford, 1·27 in. at Epsom, and 1·25 in. at Canterbury. Continuous rain in the north-east of this country, and heavy falls over Holland and some parts of France.

Temperature showing no decided or general change. Readings in morning below 45° in the north of Scotland and below 50° in the north and north-east of Britain generally. Readings mostly above 65° in the far south of our area and above 70° in places. Maxima again below 50° on our north-east coast, but rather above 60° in the south of England. Thermometer rising to between 70° and 80° very generally in the central and southern regions of Europe.

Wind in morning moderate to strong from the Westward over France, and from the Eastward over the North Sea and the north of our Islands. Light airs from no general direction over the Mediterranean region, and moderate or light anticyclonic winds in the north-west of the Continent. Increasing to a gale from East by evening on the coast of Jutland. Westerly current spreading more over the west and south of these Islands.

Barometer in morning above 30·1 ins. in Iceland, and not much lower in a band extending thence to the south of Sweden. Above 30·1 ins. over Portugal also. Below 29·5 ins. in a depression extending from the Atlantic across these Islands to the Dutch coast. Relatively low in disturbances over Hungary and the extreme north of Russia. Depression over our Islands undergoing some modification in form during day, resulting in the formation of two distinct minima by 6 p.m. High pressure system over Iceland maintaining its position, but barometer rising somewhat over the Bay of Biscay.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶⟶ = a heavy gale; ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres: Ground Level.	1,090 / 500	5,320 / 1,000	5,660 / 1,857	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
May 27th, 6.11 p.m. to 6.55 p.m.	Totland Bay, Isle of Wight, 150 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	S by W, 10	N by W, 5	N by E ¼ E, 13	N by E ¼ E, 14	N, 6	NW by W, 8	SSW, 3	* 3,500 metres SW ¼ S, 4; 4,000 metres S by W, 8; 4,500 metres SW, 18; 5,000 metres SW by S, 17; 5,500 metres SW by S, 18; 6,000 metres SSW, 17; 6,500 metres S by W ½ W, 13. Surface wind only reaching to 500 ft. Wind veering to NNE; backing between 7,000 and 10,000 ft.
May 28th, 10.25 a.m. to 11.25 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	50° 95% NNE, 12	48° 100% NNE, 18						One kite; 3,500 ft. wire. Max. height, 2,300 ft. Inversion at 2,000 ft., 48° to 55°. Overcast. Cloud level, 900 ft. Wind failing above.
May 28th, 6.9 p.m. to 6.15 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NE by E ½ E, 15	NE by E ½ E, 20						* Sky overcast; cloud level, 3,000 ft.; wind, ENE, 23. Max. velocity, 34 m. per h. at 1,300 ft.
May 29th, 6.40 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	E, 5	E, 14	ENE, 10	N, 2	NW, 3	W by S, 8		† When lost sight of the balloon was returning parallel to its first track, and ½ mile south of it.
May 29th, 7.11 p.m. to 7.21 p.m.	Totland Bay, Isle of Wight, 80 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	ENE, 7	E by N ½ N, 19	SE by E, 10	[E by N, 3]				* Wind veering up to 3,000 ft., then changing to E by N. Sky overcast; cloud level, 5,000 ft.
May 30th, 9.50 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	53° 80% ESE, 13	48° 80% SE by S, 18						One kite; 3,400 ft. wire. Max. height, 2,300 ft. Temp., 50°; humidity, 70%; Wind, 17 m. per h. Overcast with Cu.-S.
June 1st, 2.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	W, 3	WNW, 9	NW, 13	NW by N, 20				† Entered clouds at 5,300 ft. Heavy thunder showers. Fell at Maidenhead, 14 miles SE by E.

* Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.
† Pilot balloon; observed with two theodolites.

63, Victoria Street, London, S.W. *June 5th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 23. TWENTY-THIRD WEEK, ENDING SATURDAY, JUNE 8TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was generally cloudy or overcast, with frequent and sometimes heavy rain in the northern and western districts, and with occasional slight falls in the south and south-east. Thunderstorms occurred over a large part of England on Wednesday and in some places on Thursday, while at Swarraton thunder was heard both on Tuesday and Friday, and at Chester a thunderstorm was experienced at the commencement of the week.

Temperature was again below the average, the defect ranging from rather more than 1° in England E.. to about 3° in several other English districts and in Ireland N. and to more than 4° in Scotland N. and E. The highest of the maxima were mostly recorded on Saturday, and ranged from 70° in the Midland Counties to 64° in Ireland N. and Scotland E.. and to 63° in Scotland W. During the early days of the period some of the maxima were again below 50° in the north. The lowest of the minima, which occurred during the earlier half of the week, varied from 33° in the north and east of Scotland to 44° in Ireland S. and to 48° in the Channel Islands. At some of the Scottish stations and at Cockle Park, Morpeth, the thermometer on the grass fell to 30° or 31°.

Mean Temperature of the Sea.—The water was rather colder than during the preceding week on nearly all parts of the coast, the decrease being more than a degree at some Scottish stations and 0°·8 at Margate. The mean temperature ranged from 55°·0 at Newquay and 54°·6 at Eastbourne to about 52°·0 off the east of England, and to less than 48°·0 on the coasts of Scotland and north-eastern England. The lowest reading was 45°·8 at Burnmouth.

Rainfall was less than the average over eastern, central and southern England, and also in the English Channel; elsewhere it was above it, the excess being very large in the western and northern districts. On the 2nd and 5th a fall of 1·0 in. was measured at Stonyhurst, and on the 4th a similarly large fall occurred at Aspatria.

Bright Sunshine was less than the average in all parts of the Kingdom. The percentage of the possible duration was only 8 in England N.W. and Scotland W., and 13 in Scotland N.; elsewhere it ranged from 15 in Scotland E. to 27 in England S., and to 29 in the English Channel.

Barometer and Wind.—During the greater part of the week the United Kingdom was situated between two high pressure systems, one situated over the Icelandic region, and another over the southern part of the North Atlantic. At first, the depressions coming from the ocean moved very slowly across our Islands to the North Sea, but later in the period, when the barometer had become much lower in Iceland, they followed a more northerly track, and a Westerly to Southerly current of wind spread gradually over the whole Kingdom. It was not, however, until the end of the week that the Easterly wind disappeared from the north of Scotland.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 172.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Deficient	Moderate	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Very heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 1 week from June 2nd.	Warmth ...	0 * 1	0 * 1	0 * 1	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1
	Rainfall ...	1 * 0	1 * 0	0 * 0	0 * 0	0 * 0	0 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0
	Sunshine ...	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (23rd)—June 2nd to 8th, 1907.

DISTRICTS. (See p. 179.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	33	52·0	41·5	46·4	- 4·3	33	- 29	1	+ 1	6	+ 3	1·12	+0·60	15	- 26	13	-21
Eastern																		
1. SCOTLAND, EAST	64	33	55·2	41·9	48·1	- 4·4	43	- 31	0	0	5	+ 3	0·94	+0·48	18	- 24	15	-20
2. ENGLAND, N.E.	69	35	58·8	45·4	51·6	- 1·9	67	- 13	0	0	6	+ 3	0·46	+0·02	21	- 18	18	-15
3. ENGLAND, EAST	69	43	60·1	48·8	54·1	- 1·3	85	- 9	0	0	4	+ 1	0·34	-0·19	20	- 28	17	-25
4. MIDLAND COUNTIES	70	39	58·8	47·1	52·5	- 3·0	74	- 21	0	0	5	+ 3	0·40	-0·08	23	- 20	20	-18
5. ENGLAND, SOUTH	68	43	59·6	49·2	54·0	- 2·5	84	- 18	0	0	3	0	0·35	-0·15	31	- 18	27	-16
Western																		
6. SCOTLAND, WEST	63	36	55·3	44·9	49·8	- 3·9	55	- 27	0	0	6	+ 3	1·47	+0·79	10	- 37	8	-31
7. ENGLAND, N.W.	66	38	57·0	47·1	51·7	- 3·1	68	- 21	0	0	6	+ 3	1·42	+0·98	10	- 39	8	-33
8. ENGLAND, S.W.	68	41	58·3	48·0	52·8	- 3·0	76	- 21	0	0	5	+ 2	0·77	+0·27	28	- 23	25	-21
9. IRELAND, NORTH	64	40	56·1	46·0	50·7	- 3·4	61	- 23	0	0	6	+ 3	1·09	+0·53	20	- 22	17	-19
10. IRELAND, SOUTH	69	44	59·5	48·7	53·7	- 1·8	82	- 13	0	0	6	+ 3	1·13	+0·58	27	- 19	23	-16
11. ENGLISH CHANNEL	67	48	59·0	50·4	54·4	- 2·2	87	- 15	0	0	4	+ 1	0·26	-0·18	32	- 23	29	-21

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 1 Week, June 2nd to 8th, 1907.

0. SCOTLAND, NORTH	65	33	*	*	*	*	33	-29	1	+ 1	6	+ 3	1·12	+0·60	15	- 26	13	-21
Eastern																		
1. SCOTLAND, EAST	64	33	*	*	*	*	43	- 31	0	0	5	+ 3	0·94	+0·48	18	- 24	15	-20
2. ENGLAND, N.E.	69	35	*	*	*	*	67	- 13	0	0	6	+ 3	0·46	+0·02	21	- 18	18	-15
3. ENGLAND, EAST	69	43	*	*	*	*	85	- 9	0	0	4	+ 1	0·34	-0·19	20	- 28	17	-25
4. MIDLAND COUNTIES	70	39	*	*	*	*	74	- 21	0	0	5	+ 3	0·40	-0·08	23	- 20	20	-18
5. ENGLAND, SOUTH	68	43	*	*	*	*	84	- 18	0	0	3	0	0·35	-0·15	31	- 18	27	-16
Western																		
6. SCOTLAND, WEST	63	36	*	*	*	*	55	- 27	0	0	6	+ 3	1·47	+0·79	10	- 37	8	-31
7. ENGLAND, N.W.	66	38	*	*	*	*	68	- 21	0	0	6	+ 3	1·42	+0·98	10	- 39	8	-33
8. ENGLAND, SW.	68	41	*	*	*	*	76	- 21	0	0	5	+ 2	0·77	+0·27	28	- 23	25	-21
9. IRELAND, NORTH	64	40	*	*	*	*	61	- 23	0	0	6	+ 3	1·09	+0·53	20	- 22	17	-19
10. IRELAND, SOUTH	69	44	*	*	*	*	82	- 13	0	0	6	+ 3	1·13	+0·58	27	- 19	23	-16
11. ENGLISH CHANNEL	67	48	*	*	*	*	87	- 15	0	0	4	+ 1	0·26	-0·18	32	- 23	29	-21

THE YEAR.—Aggregates, &c., for the period of 23 Weeks, December 30th, 1906, to June 8th, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	436	- 56	522	- 21	118	+11	24·34	+4·71	518	-30	27	- 2
Eastern																		
1. SCOTLAND, EAST	67	5	*	*	*	*	507	-101	599	+ 11	85	- 1	11·47	+0·30	611	+ 6	32	0
2. ENGLAND, N.E.	82	15	*	*	*	*	661	+ 29	501	+ 26	84	+ 4	9·26	+0·34	678	+ 92	35	+ 5
3. ENGLAND, EAST	81	10	*	*	*	*	744	- 41	518	- 3	81	+ 3	9·04	+0·09	704	+ 21	37	+ 1
4. MIDLAND COUNTIES	82	10	*	*	*	*	759	- 55	540	+ 7	79	+ 3	9·55	-0·61	614	+ 4	32	0
5. ENGLAND, SOUTH	76	16	*	*	*	*	800	- 69	434	+ 53	73	- 1	9·54	-0·57	722	+ 43	37	+ 2
Western																		
6. SCOTLAND, WEST	73	16	*	*	*	*	623	- 47	404	- 6	96	+ 4	21·08	+2·37	560	- 59	29	- 3
7. ENGLAND, N.W.	76	15	*	*	*	*	664	- 49	418	+ 32	92	+ 8	13·27	+0·55	613	- 12	32	- 1
8. ENGLAND, S.W.	76	5	*	*	*	*	741	-121	396	+ 95	92	+ 9	14·21	-0·40	671	- 53	35	- 3
9. IRELAND, NORTH	70	16	*	*	*	*	649	- 95	292	- 53	108	+10	17·27	+2·73	549	- 54	28	- 3
10. IRELAND, SOUTH	73	11	*	*	*	*	854	- 60	256	- 3	104	+15	13·52	-2·57	618	- 49	32	- 3
11. ENGLISH CHANNEL	70	21	*	*	*	*	933	- 88	96	- 13	83	- 7	10·60	-1·76	743	- 76	39	- 4

III.—DATA from which the SUMMARY on page 178 has been calculated.

June 2-8, 1907.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. Islands.	†Sumburgh Head (Deerness) ..	51	38	46·9	41·6	44·1	- 3·9	16	1	5	1·28	+ 0·84	15·1	- 22·5	12	- 18
	Stornoway	53	36	51·2	42·0	46·3	- 4·1	30	0	6	1·12	+ 0·56	12·7	- 30·6	10	- 25
Mainland.	Wick	58	35	52·1	41·9	46·6	- 3·6	33	0	5	1·52	+ 1·10	*	*	*	*
	†Lairg (Strathpeffer) ..	61	33	54·4	39·4	46·4	- 4·1	42	7	5	1·01	+ 0·47	21·8	- 16·0	18	- 13
	Glencarron	59	33	51·9	40·3	45·7	- 5·7	33	5	6	1·32	+ 0·36	*	*	*	*
	Fort Augustus	65	35	53·9	42·4	47·8	- 4·7	41	0	5	0·66	+ 0·19	11·8	- 19·5	10	- 16
	Fort William	62	36	53·8	43·2	48·1	- 5·2	43	0	7	0·92	- 0·02	*	*	*	*
1. SCOTLAND, E.	Nairn	64	35	54·9	41·6	47·8	- 4·4	42	1	6	1·35	+ 0·95	21·2	—	17	—
	Aberdeen	60	38	54·3	43·9	48·7	- 3·0	47	0	6	1·13	+ 0·70	18·0	- 25·5	15	- 21
	†Balmoral (Crathes) ..	60	33	53·2	36·8	44·4	- 5·5	39	15	5	1·14	+ 0·59	13·4	—	11	—
	†Crieff (Balruddery) ..	62	43	55·4	—	—	—	—	—	4	0·85	+ 0·23	20·9	—	17	—
	†Leith (Edinburgh) ..	62	40	56·6	45·4	50·6	- 3·1	60	0	5	0·49	+ 0·06	14·1	- 21·7	12	- 18
	Marchmont	60	35	56·7	41·9	48·8	- 2·5	48	0	4	0·85	+ 0·09	20·8	- 21·0	18	- 18
	(Saltburn)												19·3	—	17	—
2. ENGLAND, N.E. Northern part.	†Alnwick Castle (Cockle Park)	66	38	59·5	44·3	51·4	- 0·4	66	0	6	0·69	+ 0·21	22·2	—	19	—
	†Shields (Newcastle)	64	36	57·6	42·6	49·6	- 2·8	53	0	6	0·61	+ 0·21	16·0	- 17·3	14	- 15
	Durham	61	35	56·5	43·8	49·7	- 3·2	54	0	4	0·69	+ 0·24	16·2	- 23·4	14	- 20
	Scarborough	67	41	58·8	44·3	51·1	- 1·6	64	0	4	0·41	- 0·03	25·0	—	21	—
	York	68	41	59·7	46·9	52·9	- 1·8	76	0	7	0·59	+ 0·14	18·9	- 21·9	16	- 19
Southern part.	Spurn Head	66	44	57·9	47·6	52·4	- 1·2	73	0	5	0·13	- 0·21	*	*	*	*
	†Lincoln (Skegness)	69	41	60·9	46·2	53·0	- 3·2	77	0	6	0·26	- 0·20	19·8	—	17	—
	†Fulbeck (Rauceby)	67	42	59·6	47·1	52·9	- 3·3	76	0	6	0·30	- 0·14	26·3	—	23	—
3. ENGLAND, E Northern part.	Hillington	63	43	58·9	47·2	52·6	- 2·3	74	0	6	0·47	0·00	12·8	- 33·3	11	- 29
	†Yarmouth (Lowestoft) ..	67	45	58·4	47·7	52·7	- 1·4	75	0	4	0·49	+ 0·07	17·9	—	16	—
	Geldeston	69	43	60·2	47·3	53·3	- 1·2	79	0	5	0·64	+ 0·22	14·6	- 34·1	13	- 30
	(Cromer)												19·1	—	17	—
Southern part.	Cambridge	69	44	61·3	48·5	54·5	- 1·5	88	0	6	0·21	- 0·27	19·0	- 27·3	17	- 24
	Felixstowe	63	46	58·6	49·3	53·6	- 2·3	81	0	3	0·20	—	28·1	—	25	—
	Clacton-on-Sea	63	46	59·4	49·7	54·2	- 1·9	85	0	3	0·17	—	27·5	—	24	—
	Rothamsted	69	44	60·5	48·4	54·0	- 0·4	84	0	5	0·31	- 0·18	23·1	- 22·8	19	- 20
	Shoeburyness	68	48	61·9	50·6	55·9	- 1·0	97	0	2	0·08	- 0·29	*	*	*	*
	London, Westminster	68	46	61·4	50·9	55·8	- 1·3	97	0	3	0·50	+ 0·03	20·8	- 17·7	18	- 16
	(Dunmow)												22·7	—	20	—
4. MIDLAND COUNTIES. Eastern part.	Harrogate	63	39	56·1	44·7	50·0	- 2·8	56	0	6	0·91	+ 0·38	16·7	—	14	—
	†Bawtry (Worksop)	70	43	60·6	47·3	53·5	- 1·4	81	0	5	0·28	- 0·17	17·4	- 21·0	15	- 18
	Nottingham	67	43	60·0	47·7	53·4	- 2·0	80	0	6	0·31	- 0·17	19·2	—	17	—
	Birmingham, Edgbaston ..	65	42	57·4	47·2	51·9	- 2·3	69	0	5	0·18	- 0·39	19·9	—	17	—
	Oxford	67	44	60·3	48·6	54·0	- 2·0	84	0	3	0·26	- 0·23	23·2	- 21·7	20	- 19
Western part.	†Cheadle (Sheffield) ..	64	41	54·9	45·8	50·0	- 3·4	56	0	6	0·97	+ 0·35	27·6	—	24	—
	Shrewsbury	66	43	59·6	47·2	53·0	- 2·7	77	0	6	0·55	—	*	*	*	*
	Hereford	66	42	60·5	47·6	53·6	- 2·1	81	0	5	0·19	- 0·32	*	*	*	*
	Cirencester	67	40	59·0	46·1	52·1	- 2·2	71	0	4	0·20	- 0·34	31·9	- 13·9	28	- 12
	Bath	64	45	59·3	48·9	53·7	- 3·4	82	0	4	0·17	- 0·36	28·9	—	26	—
	(Margate)												24·3	- 19·5	22	- 17
5. ENGLAND, S.	Kew	68	46	61·9	49·7	55·4	- 0·9	94	0	3	0·46	- 0·01	25·0	- 21·3	22	- 19
	Wisley, Surrey	68	44	60·9	48·8	54·4	- 1·9	87	0	4	0·15	—	28·5	—	25	—
	†Swarraton (Ventnor) ..	66	44	60·0	48·4	53·8	- 0·2	83	0	2	0·04	- 0·46	29·5	- 18·2	26	- 16
	Tunbridge Wells ..	68	43	60·6	47·6	53·7	- 1·4	82	0	4	0·39	- 0·11	29·5	- 17·1	26	- 15
	†Dungeness (Littlestone) ..	61	47	58·0	50·3	53·9	- 1·3	83	0	5	0·80	+ 0·48	32·7	—	29	—
	Hastings	62	44	58·6	48·3	53·1	- 2·4	78	0	4	0·58	+ 0·18	26·7	- 26·7	24	- 24
	Southampton	66	46	61·5	50·1	55·4	- 1·7	94	0	2	0·18	- 0·29	38·5	- 10·9	34	- 10
	†Portland Bill (Worthing) ..	59	49	55·4	50·1	52·6	- 3·1	74		3	0·23	—	30·4	—	32	—
	(Eastbourne)												35·1	- 16·5	31	- 15
6. SCOTLAND, W.	†Laudale (Oban)	61	36	54·3	42·1	47·8	- 5·9	41	0	6	1·23	+ 0·33	11·0	—	9	—
	Glasgow	59	42	54·0	45·1	49·2	- 4·3	50	0	5	1·09	+ 0·47	8·3	- 29·5	7	- 25
	Dumfries	61	42	57·1	45·8	51·1	- 2·8	64	0	5	2·00	+ 1·40	*	*	*	*
	Cally	63	42	57·2	45·3	51·1	- 2·2	64	0	6	1·59	+ 0·87	*	*	*	*
	Douglas, Isle of Man	58	40	54·1	45·8	49·7	- 3·6	54	0	7	1·44	+ 0·87	10·8	- 40·7	9	- 35
7. ENGLAND, N.W.	Aspatria	60	40	55·3	45·5	50·1	- 3·5	57	0	6	1·82	+ 1·25	6·1	—	5	—
	Newton Rigg	59	38	55·0	44·0	49·1	- 3·3	50	0	7	0·69	+ 0·22	8·6	- 39·0	7	- 33
	Stonyhurst	61	42	55·7	46·5	50·8	- 3·1	62	0	6	2·82	+ 2·15	8·2	- 37·0	7	- 32
	Blackpool	61	42	56·4	47·4	51·6	- 2·7	67	0	6	1·38	+ 0·89	9·2	- 37·1	8	- 32
	Manchester, Prestwich ..	65	41	57·3	46·0	51·3	- 2·7	65	0	7	2·13	+ 1·50	13·9	- 25·2	12	- 22
	†Liverpool Obs. (Hoylake) ..	62	44	57·6	47·9	52·4	- 2·8	73	0	7	1·29	+ 0·82	12·1	—	10	—
	†Hawarden Bridge (Southport)	66	45	59·8	49·5	54·3	- 1·1	86	0	5	0·50	+ 0·19	13·1	- 37·6	11	- 32
NORTH WALES	Llandudno	63	47	58·7	49·1	53·6	- 1·7	81	0	4	0·46	+ 0·02	14·8	- 32·5	13	- 28
	†Holyhead (Aberdovey) ..	59	46	55·9	47·4	51·4	- 3·3	66	0	5	2·12	+ 1·65	6·3	—	6	—
	Bettws-y-Coed	60	45	58·4	48·0	52·8	- 3·0	76	0	7	0·96	—	7·9	—	7	—
8. SOUTH WALES	Llangammarch Wells	63	41	57·3	45·1	50·8	- 3·3	62	0	6	1·19	—	20·0	—	18	—
	Pembroke	56	47	54·4	48·6	51·3	- 2·7	65	0	6	1·31	+ 0·85	30·6	- 21·2	27	- 19
	†Cardiff (Aberystwyth)	65	44	59·7	48·0	53·4	- 3·1	80	0	5	0·81	+ 0·24	7·5	—	7	—
ENGLAND S.W.	Clifton	68	46	60·3	49·7	54·6	- 2·1	88	0	5	0·43	- 0·06	25·5	—	23	—
	†Shaftesbury (Marlborough)	64	43	57·3	46·3	51·4	- 2·4	66	0	5	0·28	- 0·25	26·4	- 15·9	23	- 14
	†Arlington (Newquay)	62	44	58·0	46·9	52·1	- 1·6	71	0	5	1·50	+ 0·82	31·7	- 19·4	28	- 17
	Cullompton	66	44	61·5	48·0	54·3	- 1·5	86	0	5	0·41	- 0·12	39·3	- 6·3	35	- 6
	Plymouth	60	48	57·9	49·6	53·5	- 3·1	81	0	4	0·24	- 0·23	39·8	- 9·4	35	- 8
	Falmouth	62	47	58·7	50·0	54·1	- 1·3	85	0	4	0·72	+ 0·18	31·1	- 22·0	28	- 20
	(Torquay)												42·3	- 10·6	38	- 9
9. IRELAND, N. Western part.	Malin Head	62	43	53·4	45·3	49·1	- 3·8	50	0	6	1·58	+ 1·11	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	?61	47	56·3	47·3	51·5	- 2·5	67	0	7	1·26	+ 0·66	*	*	*	*
	Markree Castle	64	44	58·4	45·9	51·7	- 1·3	68	0	7	0·97	+ 0·30	27·4	- 13·1	23	- 11
Eastern part.	Armagh	63	40	57·1	45·1	50·7	- 3·0	61	0	7	0·78	+ 0·23	13·4	- 27·3	12	- 23
	Donaghadee	62	42	55·1	46·4	50·5	- 2·9	60	0	5	0·86	+ 0·33	*	*	*	*
10. IRELAND, S. Eastern part.	†Dublin, City (Phœnix Park) ..	65	45	60·8	48·5	54·2	- 1·5	85	0	7	1·18	+ 0·73	20·6	- 25·7	18	- 22
	Kilkenny	69	44	61·7	48·1	54·4	- 0·2	87	0	6	1·11	+ 0·56	*	*	*	*
	Waterford	62	46	58·4	49·3	53·5	- 1·3	81	0	6	1·48	+ 0·87	*	*	*	*
Western part.	Birr Castle	66	44	60·4	46·4	52·9	- 1·5	76	0	6	0·78	+ 0·22	29·0	- 11·0	25	- 10
	Foynes	63	47	59·0	48·2	53·2	- 1·6	78	0	7	1·13	+ 0·58	*	*	*	*
	Killarney	66	45	60·6	49·1	54·5	- 0·1	88	0	6	0·68	+ 0·02	*	*	*	*
	Valencia	61	48	57·0	50·3	53·4	- 1·4	80	0	6	1·45	+ 0·66	20·4	- 25·1	18	- 22
	†Roches Point (Ballinacurra) ..	61	48	58·0	49·7	53·6	- 2·0	81	0	6	1·24	+ 0·54	36·0	—	32	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	59	49	57·6	50·1	53·6	- 1·8	81	0	6	0·45	+ 0·04	23·6	- 32·2	21	- 29
	†Jersey, St. Aubins (St. Hellers)	67	48	59·4	50·7	54·8	- 2·2	90	0	3	0·17	- 0·29	31·7	- 24·7	29	- 22
	Guernsey	66	49	60·1	50·3	54·9	- 0·8	90	0	3	0·17	- 0·32	41·8	- 16·2	38	- 15

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets

Additional Sunshine Totals for the week: Ramsgate, 27·9 hrs., 25 %; Brighton, 30·3 hrs. (- 21·1), 27 % (- 19 %); Bournemouth, 44·1 hrs., 39 %; Bognor, 38·7 hrs., 34 %; Rhyl, 13·6 hrs., 12 %; Tenby, 28·2 hrs. (- 24·4), 25 % (- 21 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	46·7
	Crathes	0	31	48·8	47·2
	Balmoral	1	30	—	—
	Marchmont ..	—	—	49·9	—
2.	Cockle Park	0	31	50·1	48·2
	York	—	—	51·8	49·5
	Hull	0	33	51·4	50·9
	Lincoln	—	—	52·6	50·0
3.	Lowestoft	—	—	55·4	52·3
	Cambridge	0	40	55·8	53·2
	Dunmow	0	39	—	—
	Clacton-on-Sea ..	0	40	54·9	53·6
4.	Harrogate	0	37	49·9	48·5
	Sheffield	0	38	51·0	47·7
	— — ..				
	Birmingham	0	38	50·1	47·9
	Nottingham	0	38	51·2	50·1
	— — ..				
5.	Kew	0	38	55·7	52·3
	Canterbury	0	41	54·9	53·8
	Portsmouth	0	43	57·6	54·9
	Wisley	—	—	55·3	53·0
6.	— — ..				
	Glasgow	0	38	—	—
	— — ..				
7.	Newton Rigg ..	1	30	51·5	48·4
	Southport	0	42	56·6	53·4
	Manchester City ..	0	40	53·0	50·9
	Bettws-y-Coed ..	0	43	52·1	50·0
	— — ..				
8.	Llangammarch Wells	0	32	53·1	50·0
	Bath	—	—	56·9	54·4
	Plymouth	0	43	56·2	—
	— — ..				
9.	Armagh	0	32	54·3	51·6
	Markree Castle ..	0	40	—	—
10.	Dublin, Trin. Coll. ..	0	35	54·0	51·8
11.	Guernsey, Brooklyn	0	44	57·2	54·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	47	47·0
	Kirkwall	50	46	47·7
	Wick	—	—	—
SCOTLAND, E.	Cromarty	51	47	47·8
	Pennan Bay	48	46	47·4
	Aberdeen, Cove Bay ..	48	47	47·9
ENGLAND, N.E.	Burnmouth, Berwick ..	47	44	45·8
	Scarborough	50	46	47·7
ENGLAND, E.	Shipwash Lightship ..	53	50	52·0
	Margate‡	56	51	51·9
ENGLAND, S.E.	Eastbourne‡	55	54	54·6
SCOTLAND, W.	Lamlash	49	47	48·0
	Ballantrae	48	47	47·9
ENGLAND, N.W.	Port Erin	50	49	49·2
ENGLAND, S.W.	Newquay	55	55	55·0
	Plymouth‡	54	53	53·2
	Salcombe	53	52	52·4
IRELAND, N.W.	Sheephaven	52	50	50·9
	Ballyglass	55	49	52·9
IRELAND, S.W.	Cleggan	54	50	52·2
	Seafield	56	52	54·1
IRELAND, E.	Kingstown‡	52	52	52·0

‡ Only one observation each day.

THE THUNDERSTORM OF MAY 11TH.

The thunderstorm which crossed the south-east of England on the evening of May 11th, the first of the two hot days which occurred in May, gave some unusual records at stations provided with self-recording instruments. At Kew the barometer was very steady until evening, not varying by more than ·04 inch from midnight on May 10th till 10 p.m. on the 11th; the wind was Southerly in direction and of velocity varying between 10 and 15 miles per hour. Temperature reached a maximum of 73°·6 at 11.45 a.m., and at 6 p.m. it was still as high as 72°·8. 11·2 hours of bright sunshine were recorded during the day. Soon after 6 p.m. the wind dropped almost to a calm and the temperature commenced to fall briskly, and by 10 p.m. it was as low as 59°·7. Very shortly after the latter hour the disturbance commenced. At 10.10 p.m. the barometer rose abruptly by ·05 inch and remained at the higher level until midnight, when it returned to its former height almost as abruptly as it left it. The sudden increase of pressure was accompanied by a sudden squall from the westward of velocity over 30 miles per hour, and by a sudden but temporary increase of temperature of nearly 4°. The squall was of brief duration, for by 10.30 p.m. the wind force had fallen to less than 10 miles per hour. The direction of the wind remained Westerly during the whole time that the barometer was at its higher value, but at midnight it backed to E.S.E., and remained in that quarter during the remainder of the night. A shower of rain, exhibiting maxima of intensity at 10.10 p.m. and 10.40 p.m. also occurred, the total rainfall being ·06 inch.

Records from other stations show similar changes. The peculiar features of the Kew barogram are reproduced in almost identical form in records from Wokingham and Hampstead, and in the traces of "microbarographs" at Westminster and South Kensington. Further to the west, a microbarograph at Pyrton Hill (Oxon) showed a sudden but transient increase of pressure at about 9.45 p.m., accompanied by a sudden increase of wind from almost calm to over 10 miles per hour. In the extreme east of England a barogram from Clacton-on-Sea showed a rather sudden increase of pressure of ·02 inch at midnight, followed by a decrease of equal amount at 2 a.m. The barogram from Yarmouth showed hardly any changes of pressure, but there was a sudden shift of wind from S. (the direction maintained throughout the day) to W. at 1.30 a.m. and a subsequent sudden change from W. to N. at 3.30 a.m., with an almost calm interval from 2.30 to 3.30 a.m. Subsequently the wind veered to E. or S.E. At Shoeburyness there was a sudden squall of over 40 miles per hour at 11.30 p.m.

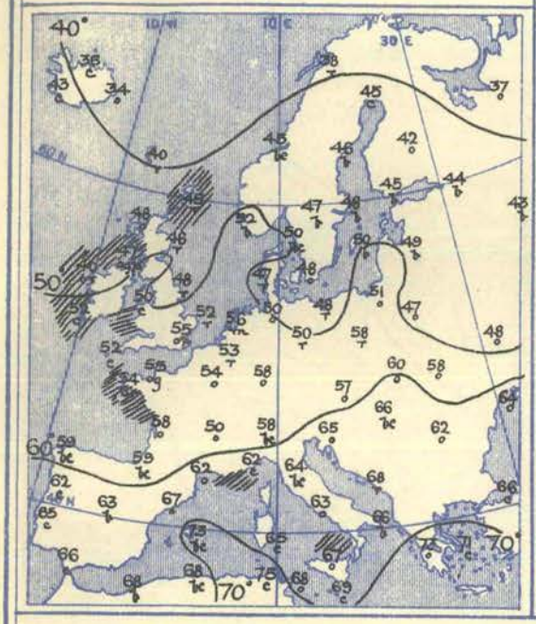
The following notes on the occurrence of thunderstorms are taken from the returns which have been received at the Office:—

Ventnor, slight thunderstorm at 8 p.m., no rain; Portsmouth, t l r at 8 p.m., rainfall ·07 inch; Bognor, t l r from 8 to 9 p.m., heavy rain 9 to 10 p.m., total rainfall ·60 inch; Westbourne, t l r from 8.30 to 9.30 p.m., rainfall ·21 inch; Wokingham, t l r at 9.35, rainfall ·44 inch; Epsom, heavy rain with thunder and lightning 10.20–10.25 p.m.; Rothamsted t l r from 9 p.m. to midnight, rainfall ·13 inch; Woburn, rainfall ·40 inch; Maidenhead, rainfall ·45 inch; Winslow (Bucks) t l 10.20–10.30 p.m., rainfall ·16 inch. Sheet lightning was reported from most stations in the south of England.

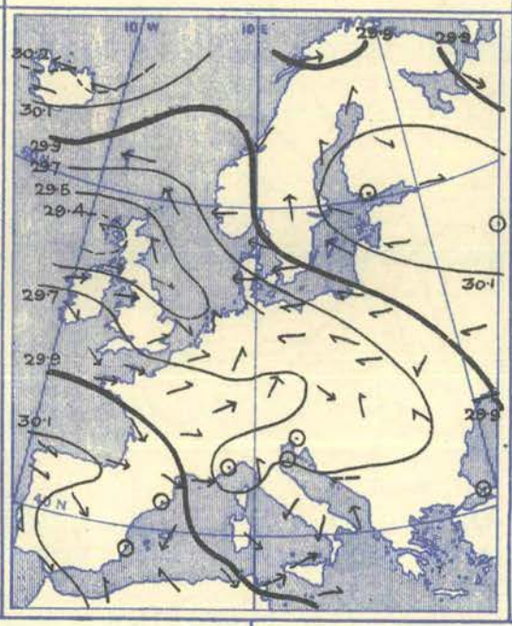
The rate of progress of the disturbance, computed from the occurrence of the thunderstorm at Portsmouth at 8 p.m., and the first change of wind at Yarmouth at 1.30 a.m., works out at between 30 and 35 miles per hour. The direction of travel was from S.W. to N.E. At 10.15 p.m. its lateral extent was at least 40 miles, this being the approximate distance between Kew and Winslow which were simultaneously affected at that hour. Microbarograph records from a greater area would probably show a much greater lateral extension, for the absence of rainfall and thunder cannot be regarded as evidence of the absence of "disturbance," for at South Kensington neither of these phenomena were observed, and yet the changes of pressure recorded on the microbarograph were very conspicuous.

Sunday, 2nd June, 1907.

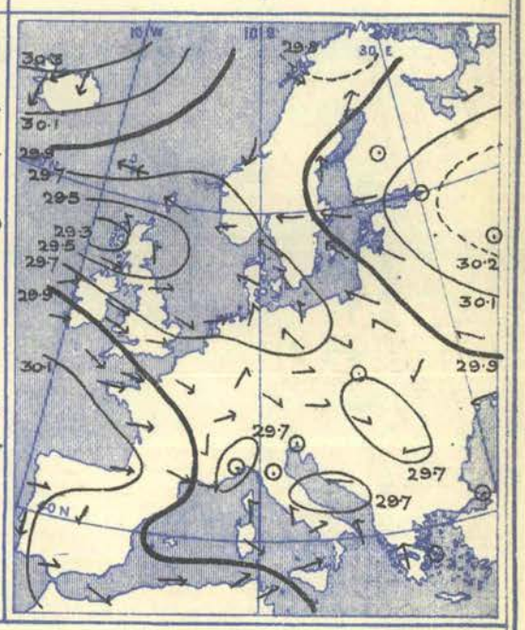
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally overcast over these Islands and the nearer parts of the Continent, with rain in many places; dull skies and rain also prevailing over Germany and the north of Norway, but condition fair or fine in most other regions Rain continuing most of day in northern Scotland, and amounting to about half an inch. An inch of rain falling at Stonyhurst, and smaller quantities experienced in several other parts of these Islands, and various amounts in central and north-western Europe.

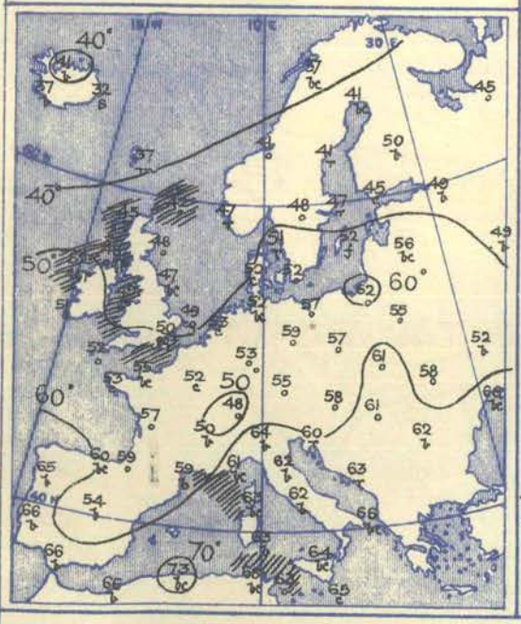
Temperature showing no general change. Readings in morning above 70° at some stations on the shores of the Mediterranean, but below 60° over our area generally, and below 50° over the northern half of our Islands and the northern countries of the Continent. Maxima during day nearly all less than 60° in this country, and only a little above 50° in a few places. Thermometer rising to above 70° over the central and southern regions of Europe, and touching 80° in a few localities.

Wind in morning moderate to fresh or strong from some Westerly point over Ireland, England, France, and Belgium; moderate from the Eastward over Denmark and the south of Norway, and fresh to a gale from that quarter to the northward of Scotland. Rather variable breezes prevailing over the south of our area, and an extensive anticyclonic movement over the east and north-east. No general change during day, but two distinct cyclonic circulations developing over Italy and its vicinity.

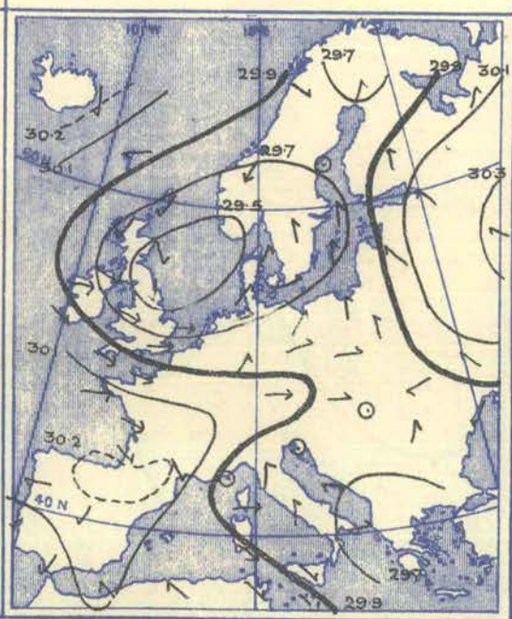
Barometer in morning ranging from above 30·1 ins. in a large area of high pressure over Russia and Finland and above 30·2 ins. over northern Iceland, to less than 29·4 ins. in a depression having its minimum off the west of Scotland. Relatively low over the north of Italy and the Gulf of Genoa. Scarcely any modification in the general distribution of pressure during day, but some well-defined low pressure systems appearing in the south and south-east of our area. Barometer rising steadily in Ireland and falling in Scotland.

Monday, 3rd June, 1907.

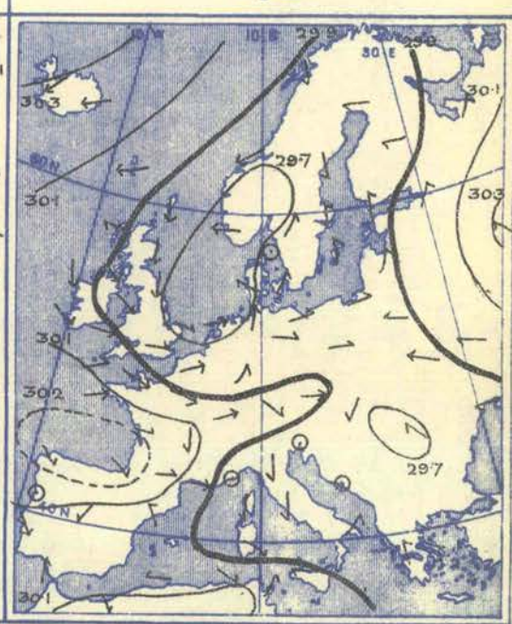
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the north of Scotland and snow falling in the east of Iceland; cloudy or overcast in most other regions, but rainy at Skagen and in some parts of Scandinavia and showery on our own north-west coasts. Fine and bright in nearly all parts of southern Europe. Various amounts of rain experienced later at many of our own stations and in different parts of the Continent; largest falls 0·4 in. at Blacksod Point, 0·6 in. at Cracow, and 0·7 in. at Riga.

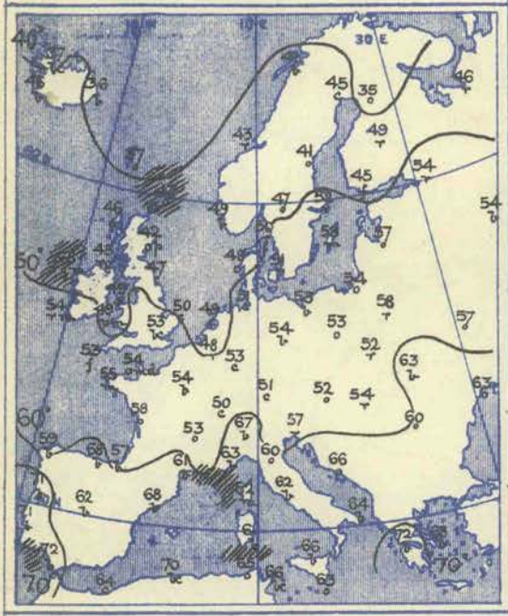
Temperature changed little or fallen somewhat. Readings in morning below 50° over the greater portion of these Islands and northern Europe, and below 40° in Iceland and at Bodö. As high as 73° at Algiers and above 60° in the south generally. Rising during day to 86° at San Fernando, to about 80° at several other southern stations, and to 70° or above in the central countries. Maxima again very low over these Islands; less than 50° in the north of Scotland, and only 55° in the south-east of England.

Wind in morning showing a very extensive cyclonic movement around the North Sea. Westerly to North-Westerly current strong or high on our western coasts, and blowing a gale at Holyhead. North-Easterly current blowing a gale at Christiansund and freshly or strongly at Sumburgh Head and Thorshavn. A fresh North-Westerly breeze prevailing over some parts of the Mediterranean. Current becoming more Northerly over these Islands by evening and gale at Holyhead subsiding.

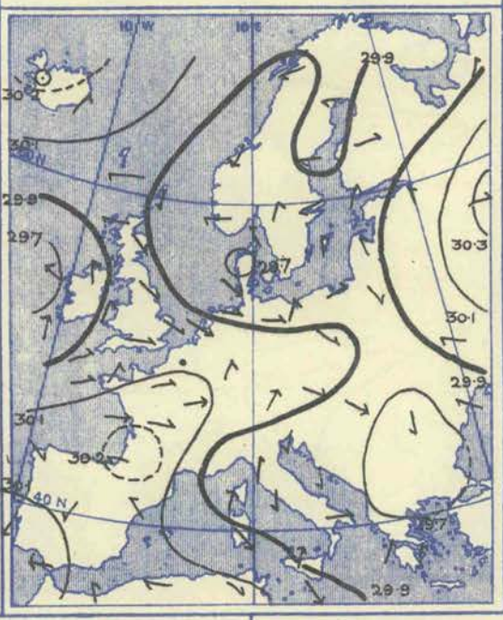
Barometer in morning above 30·3 ins. in central Russia and also in the west of Iceland, and above 30·1 ins. in the south-west of our area; below 29·7 ins. in a depression over south eastern Europe, and below 29·5 ins. in a large disturbance centred over the North Sea. Latter system moving slowly eastwards inter. and baric rise brisk over Scotland. Considerable modification taking place in the distribution of pressure over southern and south-eastern Europe.

Tuesday, 4th June, 1907.

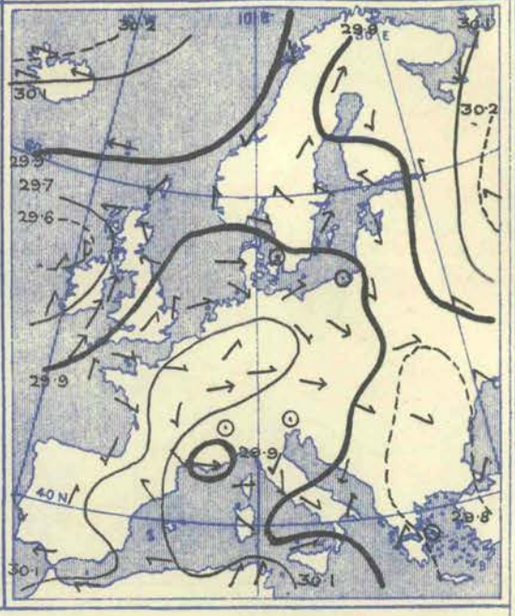
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over southern Europe and the Mediterranean; very unsettled, with much cloud, in almost all other regions, and passing showers or steady rain in many districts. Rain experienced later at most of our own stations, as well as over Scandinavia, Russia, and Austria-Hungary. Large quantities in several places, about an inch at Aspatria, Pembroke and Holyhead, an inch and a quarter in the west of Russia, and nearly two inches at Hangö.

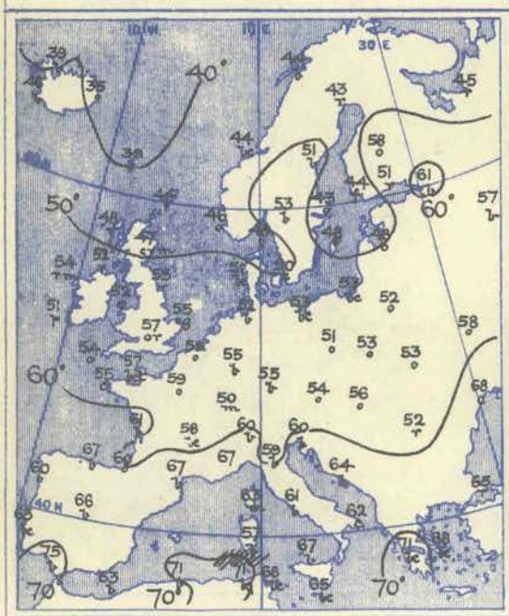
Temperature changed irregularly. Readings in morning about 70° at a few stations in the far south of our area, but below 60° over Europe generally, and below 45° over the north of Scotland and a large part of Iceland and Scandinavia. Maxima during day 88° at Madrid and about 80° at some other southern stations, but less than 70° in the central countries, and below 60° in places. Thermometer not rising above 55° in some British localities, and only touching that point at Aix-la-Chapelle.

Wind in morning showing several partial or complete cyclonic circulations over different parts of our area; South-Easterly current blowing strongly at Blacksod Point, but scarcely any force beyond a moderate breeze reported elsewhere. South-Westerly winds encroaching over our Islands during day, but Easterly current maintaining its hold in the north.

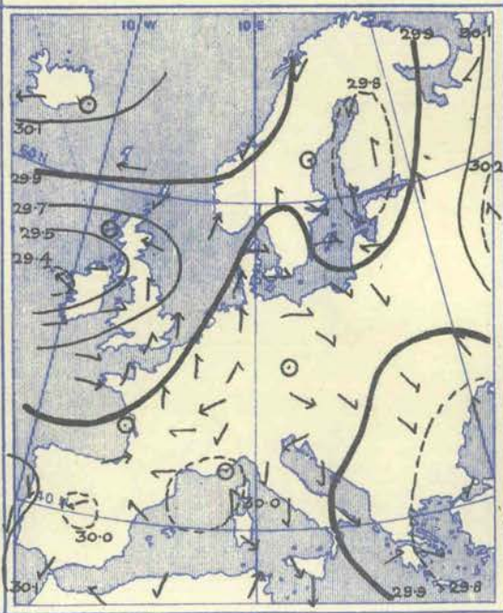
Barometer in morning above 30·3 ins. in an anticyclone over central Russia, and above 30·2 ins. over the north of Iceland and the south-west of France. Below 29·7 ins. over the south-east of Europe and also off the west of Ireland and the north of Denmark. Relatively low over Italy and its vicinity. Western depression moving north-eastwards during day, and mercury continuing to fall over the whole of the United Kingdom. High pressure in the south-west of France disappearing.

Wednesday, 5th June, 1907.

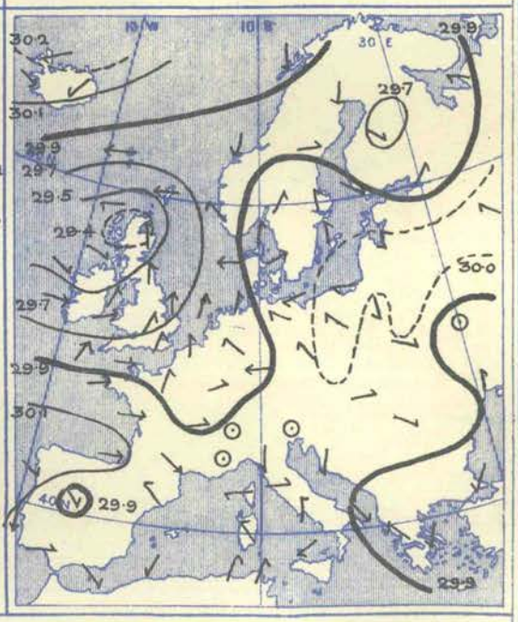
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over these Islands and Finland, but fair or fine and bright in nearly all other regions. Thunderstorms later in several parts of England and at Paris and Lyons, and more or less rain in most countries excepting Italy and Algeria. More than 0·5 ins. at Dungeness and in the north-east of Scotland, an inch at Stonyhurst, and more than 1·0 in. at Groningen and Kieff, and 2·4 ins. at Madrid.

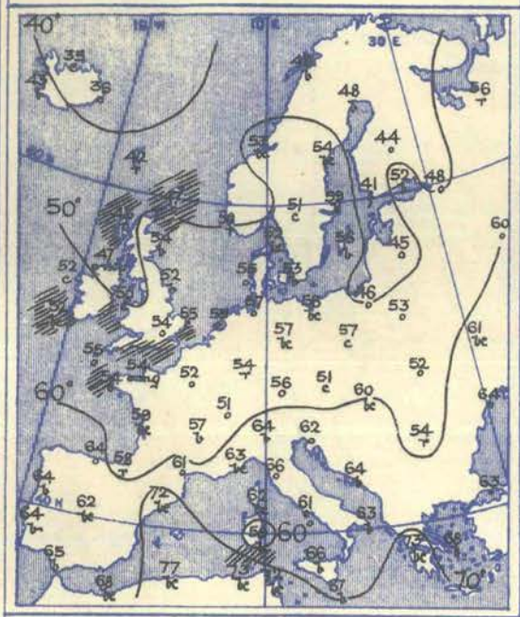
Temperature fallen in some Polish and German localities, risen generally elsewhere. Readings in morning 55° or above at many English stations, and not much below 50° in the east of Scotland. Below 50° in many northern regions of Europe and below 40° in parts of Iceland. Thermometer above 60° over the Mediterranean and above 70° in places. Rising during day to 91° at Madrid, to about 80° over a large portion of the Mediterranean district, and to about 70° in various parts of Austria and Germany. Maxima only slightly above 60° in the south of our Islands.

Wind in morning Westerly over the Bay of Biscay, mainly Southerly over England and Ireland, and South-Easterly to Easterly in Scotland and between Iceland and Norway. Light variable breezes prevailing over Europe as a whole, but a gentle cyclonic circulation shown over Finland and its vicinity. Veering towards West over England and Ireland by evening, and increasing to a fresh or strong breeze over the English Channel.

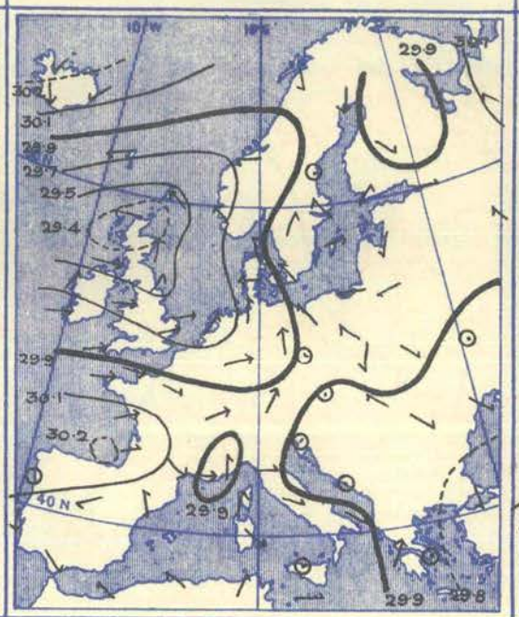
Barometer in morning ranging from above 30·2 ins. over central Russia, and also over the Azores and Iceland to below 30·0 ins. in some shallow depressions over the south of our area, to less than 29·8 ins. in a disturbance over Finland, and to below 29·4 ins. in another system having its minimum off the west of Ireland. Last mentioned depression travelling north-eastwards during day and reaching a position near Nairn by evening. Some ill-defined secondaries passing eastwards across England and Ireland.

Thursday, 6th June, 1907.

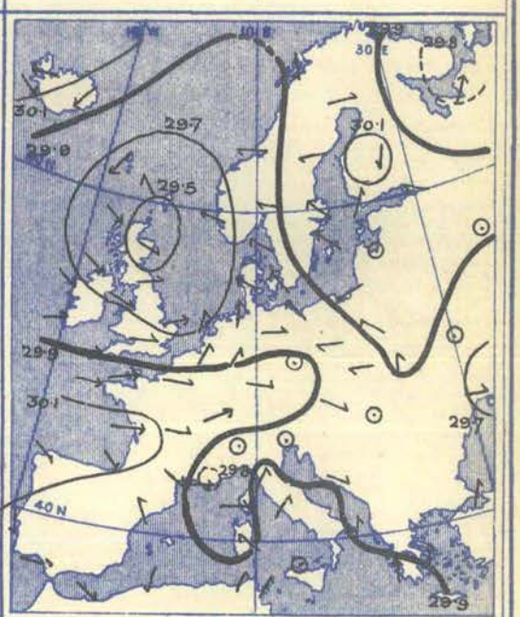
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine in nearly all parts of southern Europe and over the northern half of Scandinavia. Unsettled and cloudy or overcast elsewhere, with rain in several places and snow at Grimstadir. Rain experienced later at most of our own stations and over the Low Countries and Germany, as well as in the south of Russia and south of Norway.

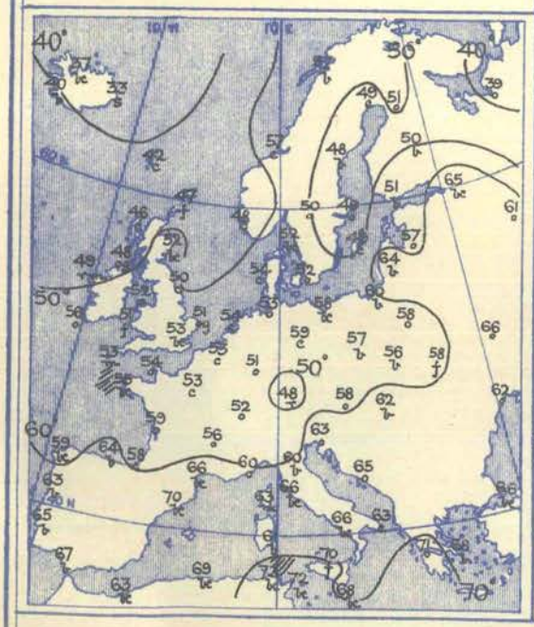
Temperature risen in Algeria, Scotland, and Scandinavia, fallen generally. Readings in morning as high as 77° at Algiers and above 70° in some other southern localities. Below 60° over Europe generally, and less than 50° in some northern regions and in a few parts of this country; below the freezing point at Grimstadir. Maxima during day nearly all below 60° in these Islands, about 70° in some German localities, and above it in the south of Europe and in Russia. Highest readings, 88° at St. Petersburg and 97° at Aumale.

Wind in morning showing an extensive cyclonic circulation over our Islands and their neighbourhood; light or moderate generally, but Westerly current fresh or strong in many parts of England, and that from the Eastward of equal force to the northward of Scotland. Light breezes from various directions prevailing over the south and east of our area. No change of importance during day.

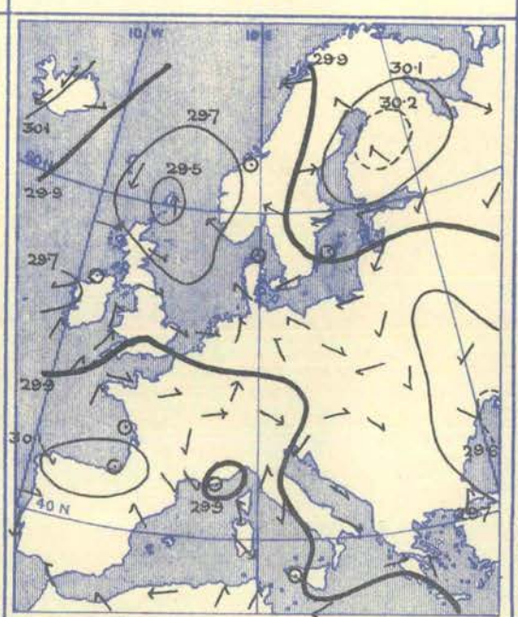
Barometer in morning ranging from above 30·2 ins. in the north of Iceland and above 30·1 ins. over the north of Spain and the adjacent portion of the Bay of Biscay, to less than 29·9 ins. in shallow depressions over Finland and the south-east of France, and to below 29·4 ins. in a more important system over the north of Scotland. Pressure giving way somewhat over Iceland during day, and Scottish depression moving very slowly eastwards. Southern anticyclone maintaining its position. Some very shallow, ill-defined secondary disturbances passing eastwards across these Islands.

Friday, 7th June, 1907.

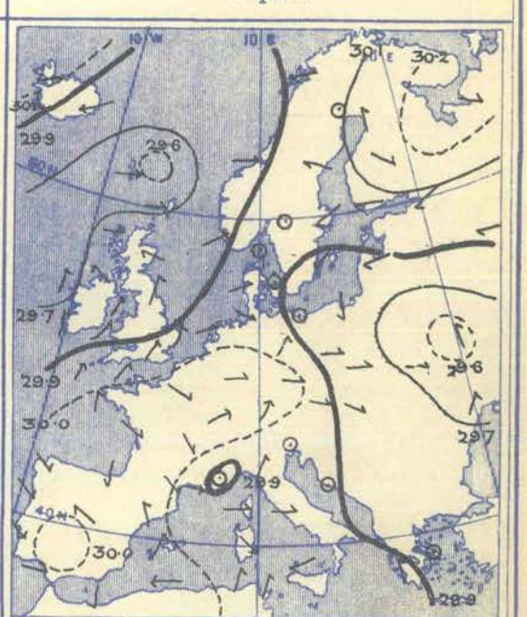
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the south of Norway and in some parts of Ireland and France, foggy at Roche's Point, Pembroke, and Sumburgh Head, and snow falling in the north and east of Iceland. Fair or fine in nearly all other regions, but rain prevailing at Munich. Rain experienced later in most parts of the United Kingdom, in small amounts as a rule, but as much as 0·72 in. at Holyhead. Slight rain in a few localities on the Continent, and more than an inch at Lemberg.

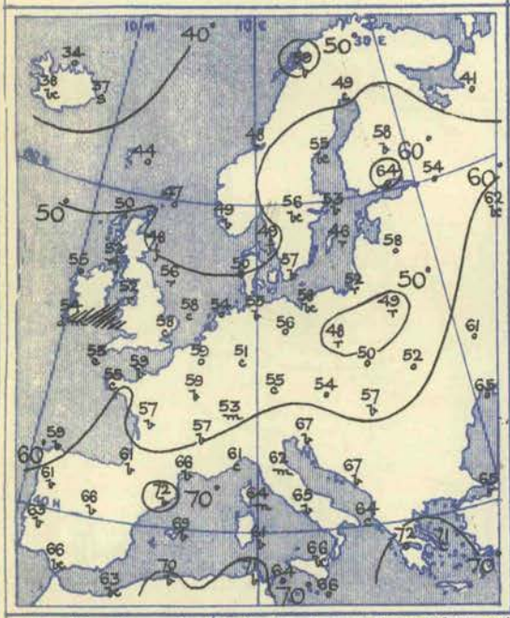
Temperature risen over Russia and the north of Scandinavia, changed irregularly elsewhere. Readings in morning above 70° at a few stations in the far south, and above 60° over most of Russia. Below 50° over Sweden, the north of our Islands, and at Munich, and less than 35° in the east of Iceland. Rising during day to 90° at Madrid and to about 80° in many southern regions, but remaining below 60° over a large portion of this country.

Wind in morning anticyclonic both in the south-west and north-east of our area, and cyclonic elsewhere, the chief circulation being found around Shetland. Light or moderate generally, but a high North North-East wind prevailing at Thorshavn. Little change occurring later.

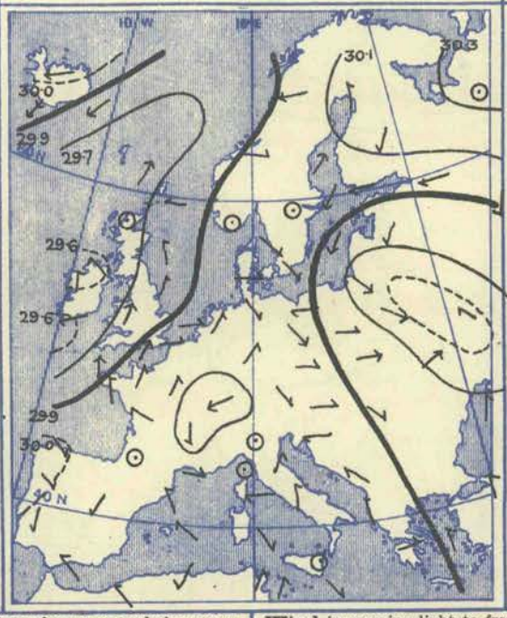
Barometer in morning above 30·2 ins. in an anticyclone over Finland, above 30·1 ins. in another system over the north of Spain and the adjacent part of the Bay of Biscay, and above 30·0 ins. over about half of Iceland. Below 29·7 ins. in a depression off Ireland, and below 29·5 ins. in a well-defined disturbance having its centre not far from Sumburgh Head. Relatively low over the Gulf of Genoa. Cyclonic systems moving northwards during day, and that off the north of Scotland apparently becoming less deep. Pressure continuing to decrease in Iceland.

Saturday, 8th June, 1907.

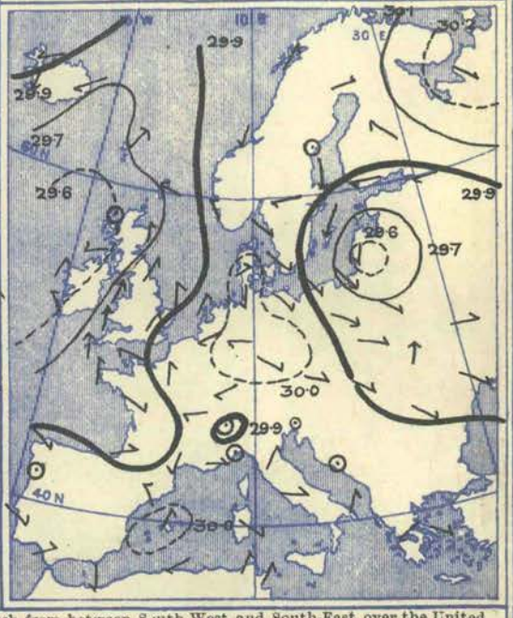
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over the southern regions of our area and also over a considerable portion of Scandinavia; cloudy or overcast elsewhere, with rain at several of our western and northern stations, at Christiansund, and in some German localities, rain or snow in Iceland, and fog at Nairn and Aberdeen. More or less rain falling in the west and north of our Islands during day, and heavier amounts in various parts of Germany, Austria, Poland, Finland, and Russia—more than an inch at Hangö and Cracow. Lightning seen in London at night.

Temperature changed rather irregularly as a whole, but risen over these Islands. Readings in morning about 70° at several stations on the shores of the Mediterranean, but less than 60° generally, and below 50° in some parts of Scotland and northern Europe. As low as 30° at Grimstadir. Rising during day to 68° in London, and to above 60° over this country generally. Maxima above 80° in the south-west of France and only a little lower at many other places in southern Europe.

Wind in morning light to fresh from between South-West and South-East over the United Kingdom and fresh to a gale from the North-Eastward in Iceland. A complete cyclonic circulation of light to strong winds prevailing over the southern half of Russia and its vicinity, and an anticyclonic movement over France. Wind increasing to a gale from North-West on the North German coast by evening, but little change occurring as a whole.

Barometer in morning as high as 30·3 ins. over the White Sea, and above 30·1 ins. over Switzerland and the adjacent part of France. Below 29·6 ins. in an extensive cyclonic system lying to the west and north-west of these Islands, and also in another disturbance with its central space extending from East Prussia to Little Russia. A shallow depression appearing over the west and south-west of France by evening. Not much modification taking place in the general distribution of pressure, but eastern disturbance moving north-westwards. Barometer continuing to fall slowly in Iceland.

Explanation of Charts. In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. June 3rd, 3.30 p.m. to 4.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	52°	46°						One kite, 52 sq. ft.; 2,200 ft. wire. Max. height, 2,300 ft. Temp. 43°. Humidity 80%. Strong gusty wind.
		Humidity	65%	75%						
		Wind Velocity, m. per hr.	W by N, 20	WNW, 40						
June 5th, 7.15 p.m. to 7.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	50°	46°						One kite, 54 sq. ft. Strong gusty wind. Rain at 7.30. Squall, 54 m. per h.; broke the wire.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW, —	WSW, 36						
June 6th, 8.32 a.m. to 10.4 a.m.	Glossop Moor, 1,100 ft.	Temperature F.	46°	43°	36°	32°				One kite, 77 sq. ft. Gusty wind. Rain.
		Humidity	100%	100%	100%	100%				
		Wind Velocity, m. per hr.	W, —	W, 28	W by N, 30	WNW, 29				
June 6th, 10.0 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	54°	48°						One kite, 52 sq. ft.; 2,000 ft. wire. Max. height, 2,200 ft. Temp. 45°.
		Humidity	80%	86%						
		Wind Velocity, m. per hr.	WSW, 20	W by S, 43						
June 6th, 11.2 a.m. to 12.25 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	48°	44°	35°	30°				One kite, 77 sq. ft. Max. height, 5,730 ft. Min. temp. 29° F. Squalls at 11.17 a.m. and 11.55 a.m. Max. wind vel. 51 and 46 m. per h.
		Humidity	90%	90%	100%	100%				
		Wind Velocity, m. per hr.	WNW, —	W, 30	WSW, 34	WSW, 37				
June 6th, 3.9 p.m. to 3.24 p.m.	Ditcham Park, Petersfield, 480 ft.	Temperature F.								* Wind very strong and gusty. A few small cumulus clouds. Velocity of cloud shadows about 45 m. per h.
		Humidity								
		Wind Velocity, m. per hr.	—	W by N, 28	W ½ N, 44	W, 48	W ½ N, 44			
June 6th, 3.30 p.m. to 4.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	55°	49°	[40°]					One 52-ft. kite; 3,330 ft. wire. Max. height, 2,800 ft. Severe squalls at intervals during the day, accompanied by rain and falls of temperature.
		Humidity	65%	85%	[100%]					
		Wind Velocity, m. per hr.	WSW, 18	W, 38	[W by N, 40]					
June 6th, 3.40 p.m. to 4.40 p.m.	Brighton, 380 ft.	Temperature F.	51°	45°	[37°]					One kite, 24 sq. ft.; 5,000 ft. wire. Max. height, 2,700 ft. Sky clear. Heavy cumulus N and S. Heavy squalls.
		Humidity	90%	90%	[90%]					
		Wind Velocity, m. per hr.	W, 25	—, 35	[W by N, 43]					
June 6th, 6.38 p.m. to 7.2 p.m.	Ditcham Park, Petersfield, 480 ft.	Temperature F.								* At 3,500 metres, NW ½ N, 47. N.B.—In additional ascents at 10.35 a.m. and 1 p.m., cloud level was at 3,000 ft. and 1,500 ft. respectively.
		Humidity								
		Wind Velocity, m. per hr.	W by N, 19	W by N ½ N, 27	WNW, 30	WNW, 30	NW by W, 29?	NW by W, 44	NW by W, 36	
June 8th, 7.15 p.m. to 7.51 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* At 3,500 metres, SW by S, 32; at 4,000 metres, SW ½ W, 35; at 4,500 metres SW by W ½ W, 34; at 5,000 metres, SW by W, 45; at 5,500 metres, SW by W, 38.
		Humidty								
		Wind Velocity, m per hr.	S, 5	S ½ W, 14	SW by S ½ S, 30	SW by S, 36	SW by S, 25	SW by S, 26	SW by S, 25	
June 8th, 10.0 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	63°	57°						One kite, 77 sq. ft.; 4,000 ft. wire. Max. height, 2,600 ft. Wind falling above.
		Humidity	73%	80%						
		Wind Velocity, m. per hr.	S by W, 12	SW by W, 20						

* Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *June 12th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 24. TWENTY-FOURTH WEEK, ENDING SATURDAY, JUNE 15TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The general condition was again very unsettled. More or less rain was experienced daily over a large part of the Kingdom, and thunderstorms occurred at some time during the period at nearly every station. The storms were more prevalent on Sunday than on any other day.

Temperature was high at the commencement of the week, but was subsequently rather low for the time of year. Over nearly the whole of Great Britain the mean temperature for the week was above the average, but in the southern districts and in Ireland it was below the normal. The highest of the maxima—recorded at most stations on Sunday—ranged from 76° in Scotland W. and 75° in several other districts to 65° in Ireland N. At Portland Bill the maxima were below 60° during the whole period, and in some other localities they were occasionally below that figure. The lowest of the minima, which were registered on rather irregular dates, varied from 42° in Scotland N. to 48° in England E., and to 50° in the English Channel.

Mean Temperature of the Sea.—The water was warmer than during the preceding week at almost every station, the advance being about 2° on the north-east coast of Great Britain and nearly 6° at Margate. The actual figures ranged from 48°·0 at Aberdeen, and only slightly higher at some other north-eastern stations to 55°·5 at Ballyglass and Seafield, 56°·0 at Eastbourne, and 57°·8 at Margate.

Rainfall was largely in excess of the normal over the whole Kingdom. On Sunday the fall at Tunbridge Wells and Chester amounted respectively to 1·05 in. and 1·35 in.

Bright Sunshine was less than the mean except in England N.E. and E., the percentage of the possible duration ranging from 15 in Scotland W. and below 25 in the "Western Section" generally to 39 in England S. and to 41 in England E.

Barometer and Wind.—The areas of highest pressure were situated over the north of Scandinavia or Finland and over the Spanish Peninsula, while early in the week the barometer was relatively high over Iceland also. Under these conditions cyclonic disturbances from the Atlantic came over our Islands and moved slowly in a northerly or north-easterly direction. The wind was sometimes Easterly in Scotland, but over England and Ireland it was nearly always between South and West. It blew freshly or strongly at times on our western and southern coasts, and reached the force of a gale at Portland Bill on Wednesday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 188.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Very heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Very scanty	Scanty	Very scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 2 weeks from June 2nd.	Warmth ...	1 * 1	0 * 1	1 * 1	1 * 0	0 * 1	0 * 1	0 * 1	0 * 1	0 * 2	0 * 1	0 * 1	0 * 1
	Rainfall ...	2 * 0	2 * 0	1 * 0	0 * 0	1 * 0	1 * 0	2 * 0	2 * 0	2 * 0	2 * 0	2 * 0	1 * 0
	Sunshine ...	0 * 2	0 * 2	0 * 1	0 * 1	0 * 1	0 * 1	0 * 2	0 * 2	0 * 2	0 * 2	0 * 2	0 * 2

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

6121 370 Wy. & S., Ltd. 6—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (24th)—June 9th to 15th, 1907.

DISTRICTS. (See p. 187.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	71	42	59·6	47·4	53·1	+ 1·6	78	+ 10	0	0	6	+ 2	1·00	+0·42	31	- 8	25	- 7
Eastern																		
1 SCOTLAND, EAST	70	42	61·5	48·8	54·9	+ 1·4	90	+ 9	0	0	6	+ 2	1·17	+0·74	33	- 8	27	- 6
2. ENGLAND, N.E.	75	46	65·4	50·9	57·6	+ 3·2	109	+ 22	0	0	6	+ 4	1·00	+0·59	43	+ 4	37	+ 3
3. ENGLAND, EAST	75	48	64·8	52·6	58·3	+ 2·2	114	+ 15	0	0	6	+ 3	0·60	+0·08	47	+ 1	41	+ 1
4. MIDLAND COUNTIES	75	45	64·1	50·3	56·7	+ 0·5	103	+ 4	0	0	7	+ 4	1·07	+0·61	38	- 5	33	- 4
5. ENGLAND, SOUTH	73	46	62·5	52·1	57·0	- 0·2	105	- 1	0	0	6	+ 3	0·80	+0·33	44	- 3	39	- 3
Western																		
6. SCOTLAND, WEST	76	45	61·3	49·6	55·0	+ 0·4	91	+ 3	0	0	7	+ 4	1·57	+0·83	17	- 28	15	-23
7. ENGLAND, N.W.	75	47	63·1	51·0	56·6	+ 0·9	102	+ 6	0	0	7	+ 4	1·36	+0·89	32	- 15	27	-12
8. ENGLAND, S.W.	75	43	60·3	50·6	55·1	- 1·4	92	- 10	0	0	7	+ 4	1·43	+0·89	24	- 27	21	-24
9. IRELAND, NORTH	65	44	59·5	49·4	54·1	- 0·8	85	- 4	0	0	7	+ 3	1·14	+0·54	26	- 15	22	-12
10. IRELAND, SOUTH	66	47	60·2	51·2	55·4	- 0·9	94	- 6	0	0	6	+ 3	0·95	+0·39	25	- 21	22	-18
11. ENGLISH CHANNEL	69	50	61·1	52·6	56·6	- 0·8	102	- 5	0	0	6	+ 2	0·67	+0·26	41	- 16	36	-14

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 2 Weeks, June 2nd to 15th, 1907.

0. SCOTLAND, NORTH	71	33	*	*	*	*	111	-19	1	+ 1	12	+ 5	2·12	+1·02	46	- 34	19	-14
Eastern																		
1. SCOTLAND, EAST	70	33	*	*	*	*	133	- 22	0	0	11	+ 5	·11	+1·22	51	- 33	21	-13
2. ENGLAND, N.E.	75	35	*	*	*	*	176	+ 9	0	0	12	+ 7	1·46	+0·61	64	- 15	27	- 6
3. ENGLAND, EAST	75	43	*	*	*	*	199	+ 6	0	0	10	+ 4	0·94	-0·11	67	- 26	29	-11
4. MIDLAND COUNTIES	75	39	*	*	*	*	177	- 17	0	0	12	+ 7	1·47	+0·53	61	- 25	27	-11
5. ENGLAND, SOUTH	73	43	*	*	*	*	189	- 19	0	0	9	+ 3	1·15	+0·18	75	- 20	33	- 9
Western																		
6. SCOTLAND, WEST	76	36	*	*	*	*	146	- 24	0	0	13	+ 7	3·04	+1·62	27	- 65	11	-27
7. ENGLAND, N.W.	75	38	*	*	*	*	170	- 15	0	0	13	+ 7	2·78	+1·87	42	- 53	18	-23
8. ENGLAND, S.W.	75	41	*	*	*	*	168	- 31	0	0	12	+ 6	2·20	+1·16	52	- 51	23	-22
9. IRELAND, NORTH	65	40	*	*	*	*	146	- 27	0	0	13	+ 6	2·23	+1·07	46	- 37	20	-16
10. IRELAND, SOUTH	69	44	*	*	*	*	176	- 19	0	0	12	+ 6	2·08	+0·97	52	- 39	23	-17
11. ENGLISH CHANNEL	69	48	*	*	*	*	189	- 20	0	0	10	+ 3	0·93	+0·08	73	- 39	33	-18

THE YEAR.—Aggregates, &c., for the period of 24 Weeks, December 30th, 1906, to June 15th, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	514	- 46	522	- 21	124	+13	25·34	+5·13	549	-38	27	- 2
Eastern																		
1. SCOTLAND, EAST	70	5	*	*	*	*	597	- 92	599	+ 11	91	+ 1	12·64	+1·04	644	- 3	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	770	+ 51	501	+ 26	90	+ 8	10·26	+0·93	721	+ 96	35	+ 5
3. ENGLAND, EAST	81	10	*	*	*	*	858	- 26	518	- 3	87	+ 6	9·64	+0·17	751	+ 23	37	+ 1
4. MIDLAND COUNTIES	82	10	*	*	*	*	862	- 51	540	+ 7	86	+ 7	10·62	0·00	652	- 1	32	0
5. ENGLAND, SOUTH	76	16	*	*	*	*	905	- 70	434	+ 53	79	+ 2	10·34	-0·24	766	+ 40	37	+ 2
Western																		
6. SCOTLAND, WEST	76	16	*	*	*	*	714	- 44	404	- 6	103	+ 8	22·65	+3·20	577	- 88	28	- 4
7. ENGLAND, N.W.	76	15	*	*	*	*	766	- 43	418	+ 32	99	+12	14·63	+1·44	645	- 26	32	- 1
8. ENGLAND, S.W.	76	5	*	*	*	*	833	-131	396	+ 95	99	+13	15·64	+0·49	695	- 80	34	- 4
9. IRELAND, NORTH	70	16	*	*	*	*	734	- 99	292	- 53	115	+13	18·41	+3·27	575	- 69	28	- 3
10. IRELAND, SOUTH	73	11	*	*	*	*	948	- 66	256	- 3	110	+18	14·47	-2·18	643	- 70	31	- 3
11. ENGLISH CHANNEL	70	21	*	*	*	*	1035	- 93	96	- 13	89	- 5	11·27	-1·50	784	- 92	38	- 5

June 9-15, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	56	43	53·1	44·9	48·7	− 0·2	47	0	4	0·46	+ 0·03	45·4	+ 8·9	36	+ 7
	Stornoway	63	45	58·7	48·1	53·0	+ 1·4	77	0	7	1·18	+ 0·61	24·9	− 18·3	20	− 15
0. SCOTLAND, N. — Mainland.	Wick	67	46	60·3	47·7	53·6	+ 2·2	81	0	5	0·39	− 0·03	*	*	*	*
	†Lairg (Strathpeffer)	71	45	64·8	48·0	55·8	+ 3·8	97	0	7	0·96	+ 0·41	31·8	− 5·8	26	− 5
	Glencarron	66	42	60·5	46·3	52·9	+ 0·1	76	0	7	1·46	+ 0·51	*	*	*	*
	Fort Augustus	67	43	60·7	48·5	54·2	+ 0·3	85	0	6	0·97	+ 0·52	21·1	− 10·2	17	− 8
	Fort William	65	45	59·3	48·5	53·5	− 0·7	81	0	7	1·59	+ 0·67	*	*	*	*
1. SCOTLAND, E.	Nairn	70	43	64·0	48·1	55·5	+ 1·8	95	0	6	0·54	+ 0·12	34·1	—	28	—
	Aberdeen	66	46	60·4	48·6	54·1	+ 1·1	85	0	5	0·82	+ 0·39	41·5	− 2·2	34	− 2
	†Balmoral (Crathes)	62	—	59·7	—	—	—	—	—	6	0·73	+ 0·18	38·5	—	32	—
	†Crieff (Balruddery)	66	42	59·8	49·9	54·5	− 0·5	88	0	6	2·11	+ 1·45	22·8	—	19	—
	†Leith (Edinburgh)	68	48	62·7	50·7	56·3	+ 1·3	100	0	6	1·09	+ 0·65	29·7	− 5·7	25	− 5
	Marchmont (Saltburn)	69	42	62·3	46·6	53·9	+ 1·0	83	0	7	1·74	+ 1·17	33·8	− 8·8	28	− 7
	†Alnwick Castle (Cockle Park)	67	46	62·9	48·8	55·4	+ 2·2	94	0	6	1·27	+ 0·80	43·9	—	37	—
2. ENGLAND, N.E. — Northern part.	†Shields (Newcastle)	69	48	64·6	49·6	56·6	+ 2·2	102	0	7	0·79	+ 0·37	40·3	—	34	—
	Durham	70	49	63·7	50·3	56·5	+ 2·0	102	0	6	0·82	+ 0·36	33·4	+ 0·1	28	0
	Scarborough	68	50	65·7	51·9	58·3	+ 3·9	114	0	6	0·92	+ 0·47	39·0	− 1·0	33	− 1
	York	74	49	68·5	51·8	59·6	+ 3·5	123	0	6	1·09	+ 0·61	47·1	—	40	—
2. ENGLAND, N.E. — Southern part.	Spurn Head	67	52	64·6	52·9	58·3	+ 3·8	114	0	7	1·07	+ 0·72	35·4	− 5·6	30	− 5
	†Lincoln (Skegness)	75	48	67·2	50·2	58·1	+ 0·3	113	0	7	1·14	+ 0·67	*	*	*	*
	†Fulbeck (Rauceby)	74	49	65·9	51·4	58·2	+ 0·8	113	0	6	0·87	+ 0·42	47·3	—	41	—
3. ENGLAND, E. — Northern part.	Hillington	75	49	65·7	50·7	57·7	+ 1·3	110	0	6	0·79	+ 0·29	48·1	—	42	—
	†Yarmouth (Lowestoft)	66	51	62·4	53·3	57·5	+ 1·8	109	0	6	0·53	+ 0·09	44·1	− 2·0	38	− 2
	Geldeston	72	49	66·8	51·7	58·7	+ 2·8	117	0	6	0·74	+ 0·31	50·0	—	44	—
3. ENGLAND, E — Southern part.	Cambridge (Cromer)	73	48	67·2	51·5	58·8	+ 1·3	118	0	6	0·24	− 0·27	44·9	− 3·8	39	− 3
	Felixstowe	66	51	63·0	54·1	58·2	+ 1·1	113	0	5	0·90	—	51·8	—	45	—
	Clacton-on-Sea	65	51	63·0	54·0	58·2	+ 0·2	113	0	5	0·58	—	47·2	+ 0·8	41	+ 1
	Rothamsted	72	48	64·5	50·6	57·1	+ 0·9	106	0	7	0·48	− 0·04	49·1	—	41	—
	Shoeburyness	67	51	65·0	53·9	59·1	+ 0·7	120	0	4	0·78	+ 0·37	44·6	− 0·6	43	—
	London, Westminster	74	50	65·4	53·4	59·0	+ 0·4	119	0	6	0·35	− 0·14	*	*	39	− 1
	(Dunmow)												*	*	*	*
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	72	46	65·1	49·6	56·8	+ 2·4	104	0	7	1·03	+ 0·47	41·7	+ 2·7	37	+ 2
	†Bawtry (Worksop)	75	45	—	51·1	—	—	—	—	6	1·23	+ 0·77	46·2	—	40	—
	Nottingham	73	48	65·9	50·9	57·9	+ 1·0	111	0	7	0·90	+ 0·40	38·7	—	33	—
	Birmingham, Edgbaston	73	46	63·4	49·9	56·2	+ 0·2	99	0	6	1·16	+ 0·58	34·5	− 3·9	30	− 3
	Oxford	72	48	64·4	51·3	57·4	0·0	108	0	7	0·79	+ 0·28	39·1	—	34	—
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	72	46	62·3	48·5	54·9	+ 0·2	90	0	7	1·37	+ 0·73	31·9	—	28	—
	Shrewsbury	74	48	65·0	50·9	57·5	+ 0·3	109	0	7	1·05	—	40·8	− 4·4	36	− 4
	Hereford	74	47	64·4	50·7	57·1	0·0	106	0	7	1·29	+ 0·78	46·2	—	40	—
	Cirencester	72	46	63·1	49·1	55·6	− 0·2	95	0	7	1·08	+ 0·53	*	*	*	*
	Bath	73	48	63·4	51·9	57·3	− 1·2	107	0	6	0·83	+ 0·29	*	*	*	*
	(Margate)												35·1	− 10·5	31	− 9
5. ENGLAND, S.	Kew	73	49	65·6	52·5	58·6	+ 0·8	116	0	6	0·38	—	34·8	—	31	—
	Wisley, Surrey	73	48	64·7	52·0	57·9	+ 0·2	111	0	6	0·66	− 0·12	55·3	+ 11·8	49	+ 10
	†Swarraton (Ventnor)	73	46	63·5	51·2	56·9	+ 1·4	104	0	7	0·89	—	41·1	− 4·7	36	− 4
	Tunbridge Wells	73	46	63·9	50·4	56·7	− 0·1	103	0	6	1·53	+ 0·36	42·2	—	37	—
	†Dungeness (Littlestone)	67	52	60·3	53·1	56·5	− 0·2	102	0	5	0·57	+ 1·00	40·8	− 5·4	36	− 5
	Hastings	68	50	60·6	52·5	56·3	− 0·7	100	0	5	0·71	+ 0·22	45·7	− 1·2	40	− 1
	Southampton	69	50	64·2	52·9	58·2	− 0·3	113	0	7	0·97	+ 0·28	46·2	− 7·1	41	− 6
	†Portland Bill (Worthing)	59	51	57·1	52·3	54·5	− 2·2	88	0	7	0·65	+ 0·49	38·1	− 11·3	33	− 10
	(Eastbourne)											—	46·5	—	41	—
6. SCOTLAND, W.	†Laudale (Oban)	63	45	59·5	49·6	54·2	− 0·7	85	0	7	2·04	+ 1·11	47·8	− 3·8	42	− 3
	Glasgow	70	46	60·5	49·5	54·6	− 0·2	88	0	7	1·30	+ 0·65	12·2	—	10	—
	Dumfries	76	48	66·0	50·1	57·5	+ 2·2	109	0	7	1·73	+ 1·11	10·8	− 27·1	9	− 23
	Cally	67	48	61·9	49·0	55·0	+ 0·4	91	0	7	1·80	+ 1·36	*	*	*	*
	Douglas, Isle of Man	61	48	58·5	49·7	53·8	− 0·9	83	0	6	0·98	+ 0·40	*	*	*	*
7. ENGLAND, N.W.	Aspatria	73	49	63·4	50·5	56·5	+ 1·8	102	0	7	1·05	+ 0·47	29·2	− 22·2	25	− 19
	Newton Rigg	71	47	63·5	49·3	55·9	+ 2·1	97	0	7	1·63	+ 1·16	41·5	—	35	—
	Stonyhurst	71	48	62·5	50·8	56·2	+ 1·1	99	0	7	1·69	+ 0·98	39·3	− 9·1	33	− 8
	Blackpool	73	48	62·5	51·3	56·5	+ 0·8	102	0	7	1·68	+ 1·18	23·3	− 22·3	20	− 19
	Manchester, Prestwich	73	47	64·1	50·1	56·6	+ 1·2	102	0	7	2·20	+ 1·55	42·4	− 4·0	36	− 4
	†Liverpool Obs. (Hoylake)	75	48	64·4	51·6	57·6	+ 1·1	109	0	7	1·04	+ 0·54	31·0	− 8·2	27	− 7
	†Hawarden Bridge (Southport)	75	49	65·5	52·2	58·4	+ 1·7	115	0	7	1·31	+ 0·88	33·3	—	29	—
7. NORTH WALES	Llandudno	75	49	63·5	52·2	57·5	+ 0·9	109	0	6	0·81	+ 0·36	37·3	− 11·6	32	− 10
	†Holyhead (Aberdovey)	64	48	59·1	50·6	54·6	− 0·9	88	0	7	0·70	+ 0·20	30·1	− 17·4	26	− 15
	Bettws-y-Coed	72	48	62·1	50·9	56·1	− 0·7	99	0	7	1·52	—	21·2	—	18	—
8. SOUTH WALES	Llangammarch Wells	71	47	60·5	49·1	54·4	− 1·0	87	0	7	1·77	—	25·0	—	22	—
	Pembroke	56	49	54·9	50·1	52·3	− 2·8	72	0	7	0·84	+ 0·37	27·3	—	24	—
	†Cardiff (Aberystwyth)	72	49	63·1	51·6	57·0	− 0·9	105	0	7	1·49	+ 0·90	19·6	− 32·7	17	− 29
8. ENGLAND S.W.	Clifton	75	49	64·3	51·9	57·7	− 0·3	110	0	6	0·93	+ 0·41	17·3	—	15	—
	†Shaftesbury (Marlborough)	66	47	59·7	49·3	54·1	− 1·0	85	0	7	0·99	+ 0·45	34·8	—	31	—
	†Arlington (Newquay)	64	47	58·9	49·9	54·1	− 0·8	85	0	7	2·32	+ 1·59	39·9	− 2·5	35	− 2
	Cullompton	70	43	63·0	49·9	56·0	− 1·0	98	0	7	1·02	+ 0·47	25·6	− 25·8	23	− 23
	Plymouth	63	51	58·7	51·9	55·1	− 2·8	92	0	7	1·90	+ 1·40	24·6	− 21·1	22	− 19
	Falmouth	62	49	59·2	51·3	55·0	− 1·7	91	0	5	1·58	+ 1·02	22·8	− 26·8	20	− 23
	(Torquay)												18·5	− 34·7	16	− 31
9. IRELAND, N. — Western part.	Malin Head	61	45	56·6	48·9	52·5	− 1·5	74	0	7	1·05	+ 0·57	28·4	− 25·4	25	− 23
	Edenfel												*	*	*	*
	Blacksod Point	62	49	58·6	51·4	54·8	− 0·3	90	0	7	0·94	+ 0·34	*	*	*	*
	Markree Castle	65	47	61·8	48·9	54·9	+ 0·7	90	0	7	1·73	+ 1·03	*	*	*	*
9. IRELAND, N. — Eastern part.	Armagh	64	47	61·3	49·4	54·9	− 0·1	90	0	7	1·36	+ 0·80	28·9	− 10·8	25	− 9
	Donaghadee	64	44	59·4	48·4	53·5	− 1·1	81	0	7	0·62	+ 0·09	23·4	− 16·9	20	− 14
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	65	50	62·6	51·6	56·7	− 0·4	103	0	6	0·50	+ 0·05	*	*	*	*
	Kilkenny	64	49	60·9	51·3	55·8	− 0·2	97	0	6	1·19	+ 0·62	20·0	− 26·0	17	− 23
	Waterford	62	49	59·7	51·1	55·1	− 1·2	92	0	6	1·04	+ 0·39	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	66	49	62·0	51·0	56·1	+ 0·4	99	0	7	0·72	+ 0·14	*	*	*	*
	Foynes	63	47	60·6	50·4	55·1	− 0·8	92	0	7	1·01	+ 0·46	33·8	− 5·5	29	− 5
	Killarney	64	48	59·9	51·2	55·3	− 0·5	93	0	6	1·14	+ 0·48	*	*	*	*
	Valencia	61	50	58·6	51·3	54·7	− 1·3	89	0	6	0·95	+ 0·12	*	*	*	*
	†Roches Point (Ballinacurra)	59	50	57·6	52·0	54·6	− 2·2	88	0	7	1·03	+ 0·29	23·6	− 21·4	21	− 19
11. ENGLISH CHANNEL	Scilly, St. Mary's	60	50	57·4	51·6	54·3	− 2·4	86	0	6	0·63	+ 0·19	21·4	—	19	—
	†Jersey, St. Aubins (St. Heliers)	69	51	63·1	53·9	58·2	+ 0·1	113	0	5	0·50	+ 0·03	28·9	− 27·7	26	− 25
	Guernsey	68	52	62·8	52·3	57·2	+ 0·3	106	0	6	0·88	+ 0·38	45·5	− 10·8	41	− 10
													47·0	− 10·9	42	− 10

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 55·8 hrs., 49 % ; Brighton, 42·3 hrs. (− 9·1), 38 % (− 8 %); Bournemouth, 38·0 hrs., 34 % ; Bognor, hrs., % ; Rhyl, 38·8 hrs., 33 % ; Tenby, 18·9 hrs. (− 34·4), 17 % (− 30 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	47·6
	Crathes	0	34	53·4	48·7
	Balmoral	0	35	—	—
	Marchmont ..	—	—	54·6	—
2.	Cockle Park	0	39	54·7	49·7
	York	—	—	54·6	50·6
	Hull	0	41	56·7	50·7
	Lincoln	—	—	57·9	51·4
3.	Lowestoft	—	—	59·3	53·7
	Cambridge	0	45	59·5	54·5
	Dunmow	0	42	—	—
	Clacton-on-Sea ..	0	47	57·4	54·7
4.	Harrogate	0	42	53·3	50·2
	Sheffield	0	43	55·2	48·9
	— — ..				
	Birmingham	0	40	52·2	48·7
	Nottingham	0	41	57·4	51·7
	— — ..				
5.	Kew	0	41	58·3	53·2
	Canterbury	0	46	57·9	54·4
	Portsmouth	0	48	60·7	56.1
	Wisley	—	—	58·3	54·0
6.	— — ..				
	Glasgow	0	39	—	—
	— — ..				
7.	Newton Rigg ..	0	41	55·2	49·6
	Southport	0	48	60·3	55·4
	Manchester City ..	0	45	56·4	51·7
	Bettws-y-Coed ..	0	47	54·3	50·4
	— — ..				
8.	Llangammarch Wells	0	44	54·5	50·7
	Bath	—	—	58·4	55·2
	Plymouth	0	46	57·6	—
	— — ..				
9.	Armagh	0	41	56·2	52·3
	Markree Castle ..	0	41	—	—
10.	Dublin, Trin. Coll. ..	0	41	56·2	52·5
11.	Guernsey, Brooklyn	0	44	59·1	56·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	48	48·1
	Kirkwall	52	48	50·1
	Wick	49	47	48·2
SCOTLAND, E.	Cromarty	52	50	50·4
	Pennan Bay	51	49	50·2
	Aberdeen, Cove Bay ..	49	47	48·0
ENGLAND, N.E.	Burnmouth, Berwick ..	52	46	48·2
	Scarborough	54	48	51·0
ENGLAND, E.	Shipwash Lightship ..	56	53	54·4
	Margate‡	61	54	57·8
ENGLAND, S.E.	Eastbourne‡	57	55	56·0
SCOTLAND, W.	Lamlash	52	48	49·5
	Ballantrae	50	48	49·2
ENGLAND, N.W.	Port Erin	52	49	50·4
ENGLAND, S.W.	Newquay	55	55	55·0
	Plymouth‡	55	54	54·7
	Salcombe	53	53	53·0
IRELAND, N.W.	Sheephaven	52	51	51·7
	Ballyglass	60	53	55·5
IRELAND, S.W.	Cleggan	56	51	54·0
	Seafield	58	54	55·5
IRELAND, E.	Kingstown‡	53	52	52·5

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

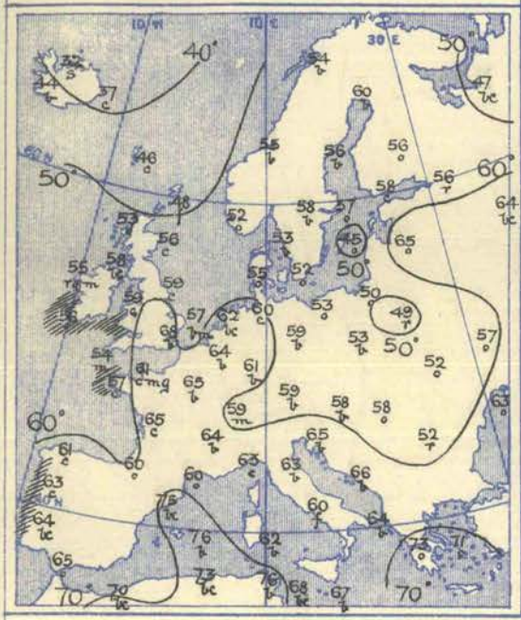
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

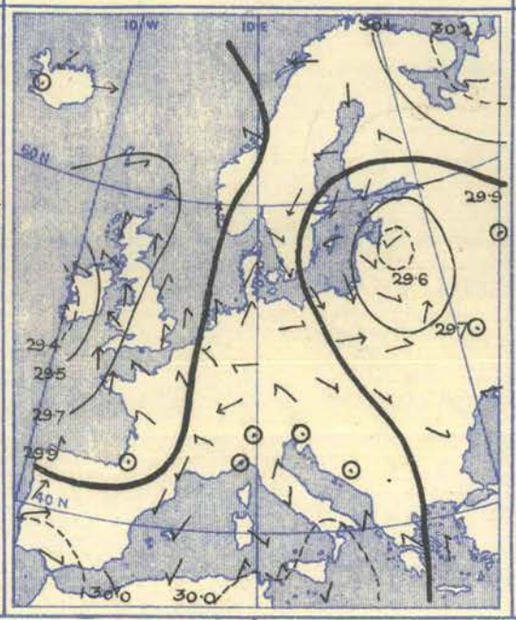
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 9th June, 1907.

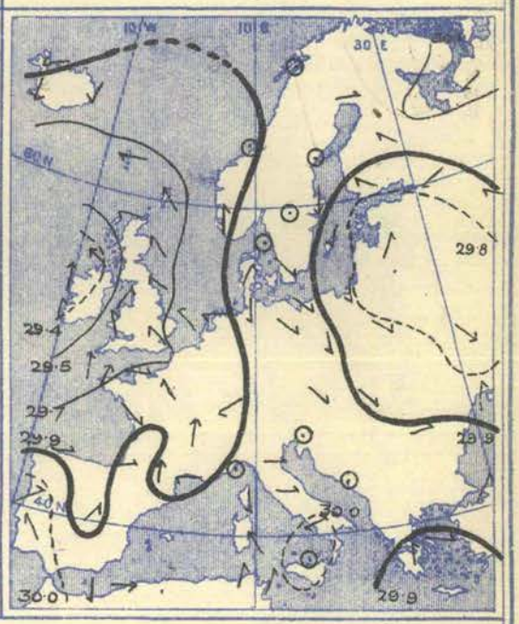
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast, with rain in places, over Ireland, the Baltic Provinces of Russia and Poland, and snow falling in the north of Iceland; fair or fine in most other regions, but rainy at Hermanstadt. Rain experienced later in almost all parts of these Islands, and thunderstorms general over Great Britain. Heavy rain falling at Brindisi, on the shores of the Gulf of Finland, and in Little Russia.

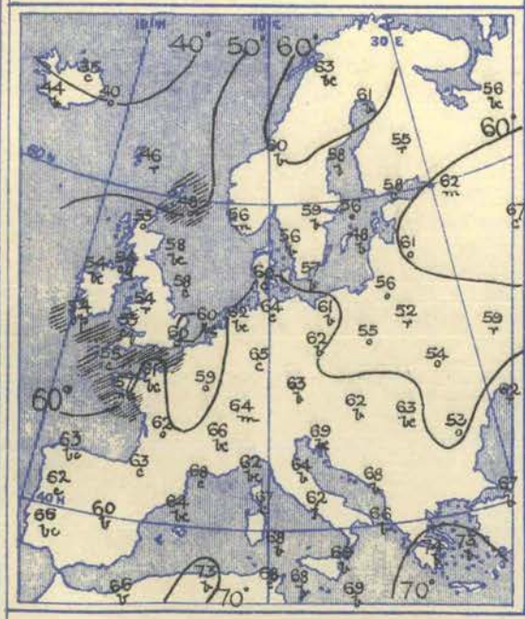
Temperature risen over our area generally, decidedly in Scotland. Readings in morning 68° in London and 60° or above in several British localities. As high as 76° at La Calle and Palma, and above 70° at some other Mediterranean stations; below 50° at Archangel, and less than 40° in most parts of Iceland. Rising subsequently to 88° at Algiers, to above 80° in many more southern districts and at Paris, and to 79° at Haparanda. Maxima above 70° at some of our own stations and at several in central Europe.

Wind in morning Southerly to South-Easterly over our Islands and Northerly at most stations in Iceland; light or moderate generally, but fresh or strong on our south-west coast. A complete cyclonic circulation of light to fresh winds prevailing over the west of Russia and the neighbouring regions, and light variable airs over the Mediterranean. Cyclonic movement becoming less marked during day, but no other change of importance.

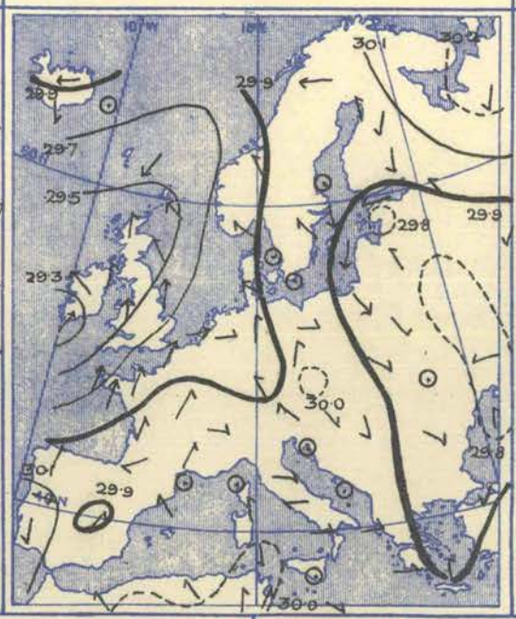
Barometer in morning ranging from above 30·2 ins. over the White Sea to less than 29·6 ins. in a depression having its minimum near Riga, and to below 29·4 ins. in another centred off the west of Ireland. Russian depression becoming less deep by evening, and that off Ireland travelling slowly northwards. A small thunderstorm disturbance reaching the south-east of England and the north-east of France, apparently from the southward. Pressure decreasing steadily over the United Kingdom, remaining stationary in Iceland.

Monday, 10th June, 1907.

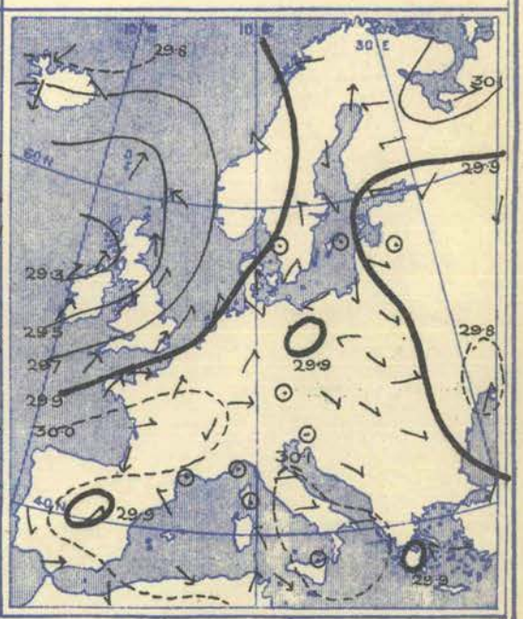
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning squally and unsettled, with a good deal of cloud over the United Kingdom and its immediate vicinity, but rain falling in only a few places. Overcast, with some rain in Russia and Poland; fine and bright over the south of our area. Thunderstorms occurring in several parts of Great Britain and in the north of Ireland, and rain falling in most parts of our Islands. Weather dry in most Continental localities, but more than an inch of rain experienced at Nicolaieff and an inch at Moscow.

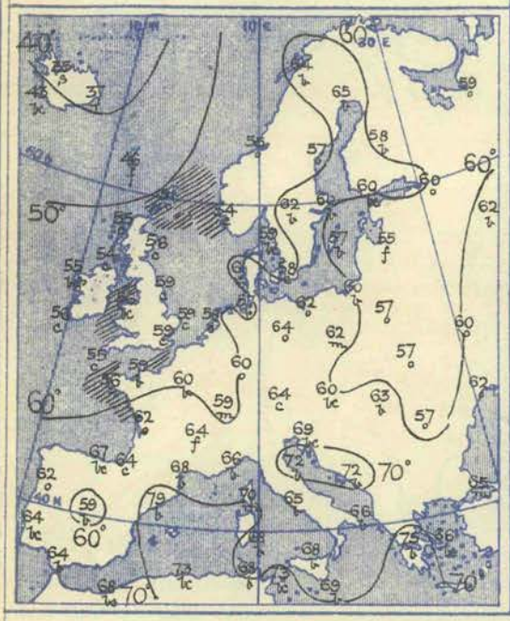
Temperature risen in a few localities, but fallen generally. Readings in morning about 60° over a considerable portion of Great Britain and France, above 65° over southern Europe generally, and above 70° in Greece and at Algiers. Above 60° in the north of Scandinavia, but below 50° in Shetland and less than 35° in northern Iceland. Rising later to 88° at Aumale, to 80° or above in many other southern regions, and to 77° at St. Petersburg. Maxima in these Islands mostly below 65°.

Wind in morning fresh or strong to high from the Southward over England and Ireland, and light from South and South-East in Scotland. A light to moderate Northerly to North-Easterly breeze prevailing over Iceland and the Faröe, light, variable airs over the Mediterranean region, and a feeble cyclonic movement over Russia. Wind remaining strong to high over our Islands and veering towards South-West, Northerly current becoming high in Iceland.

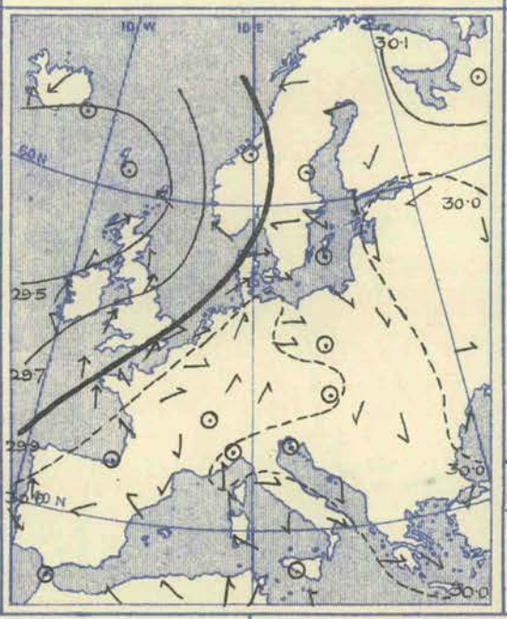
Barometer in morning above 30·2 ins. over the White Sea and above 30·1 ins. in Portugal. Below 29·8 ins. in an elongated depression over Russia, locally low in a small minimum over central Spain, and below 29·3 ins. in a disturbance centred off the south-west of Ireland, Irish depression travelling northwards during day, and barometer rising decidedly in the south of that country and over the south-west of England. Little modification taking place in the general distribution of pressure.

Tuesday, 11th June, 1907.

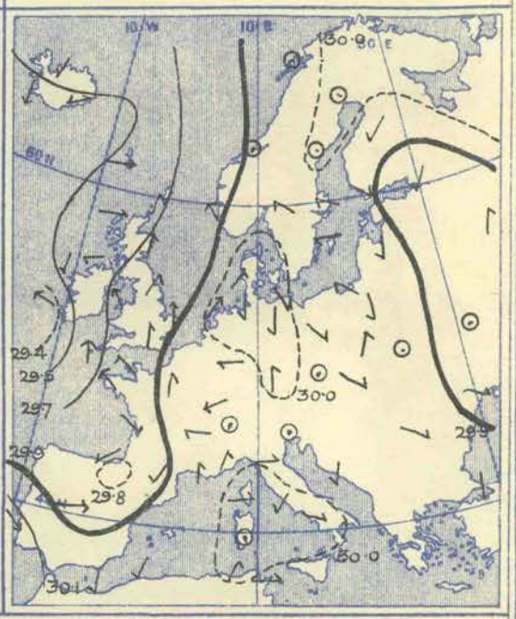
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over our area generally, but a good deal of cloud over these Islands, with showers at Blacksod Point, and overcast skies, with snow or rain, in Iceland. Rain falling in nearly all parts of the United Kingdom later—heavily in places—and thunderstorms occurring in several French localities. Rain also experienced in the south of Russia and at Hermanstadt.

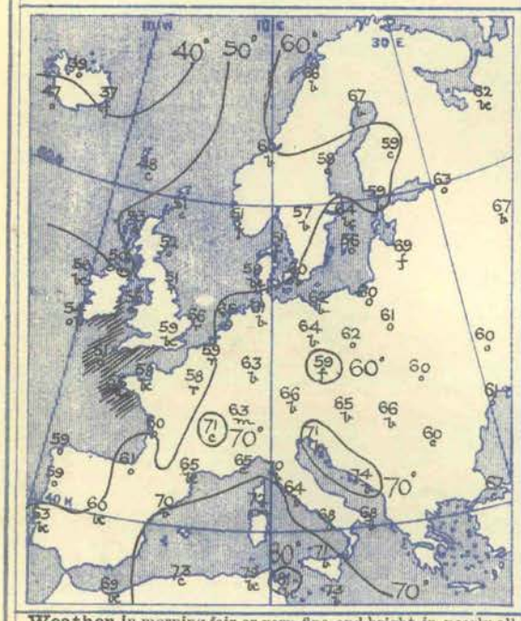
Temperature changed little, or fallen, over the western countries, risen generally elsewhere. Readings in morning above 70° in many southern regions and as high as 79° at Barcelona; above 60° in the north of Scandinavia. Very uniform between 56° and 59° at most of our own stations; below 35° over northern Iceland. Rising later to 81° at Haparanda, 86° at Madrid, 91° at Tunis, and 95° at Aumale, Maxima below 65° in most of these Islands, and below 60° at some coast stations.

Wind in morning moderate to fresh or strong from between South-West and South in the United Kingdom, strong from South-East at Skudesnaes, and moderate from North or North-East in Iceland. Light or moderate from rather variable directions over the rest of our area. Backing to South-East on our south-west coasts by evening and increasing in force. Very little change elsewhere.

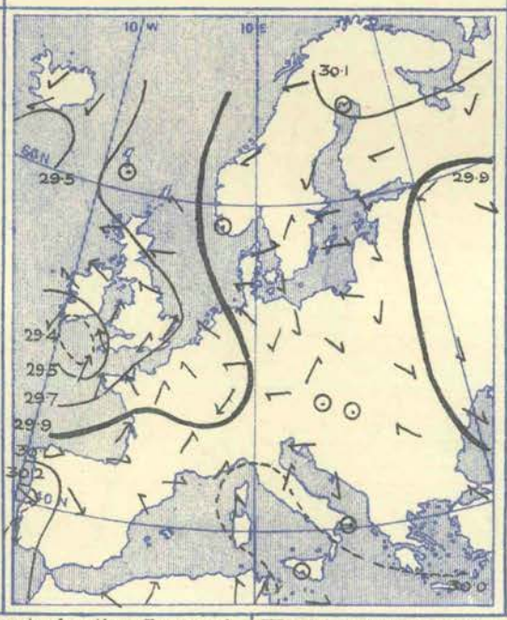
Barometer in morning above 30·1 ins. over the White Sea and also over the Azores. Below 29·9 ins. in a large, shallow depression covering a considerable portion of Russia, and below 29·5 ins. in an extensive disturbance between our north-west coasts and Iceland. Pressure decreasing very briskly on our south-west coasts during day, and a new depression appearing in that region. A shallow depression also appearing over the north of Spain. Barometer continuing to rise over the Azores.

Wednesday, 12th June, 1907.

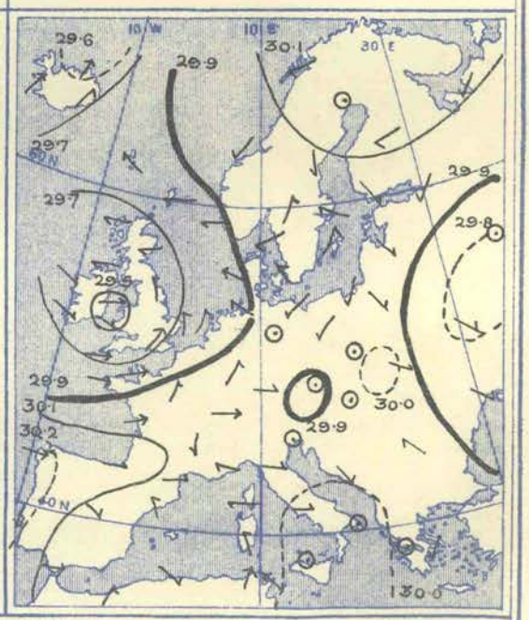
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or very fine and bright in nearly all parts of southern Europe and over the greater portion of the northern regions; cloudy or overcast at most of our own stations and their vicinity, with passing showers or steady rain in several places. Rain falling later in the United Kingdom, France, and in various parts of southern Europe and the Netherlands, as well as in Switzerland. Thunderstorms in Lancashire and central Ireland. Rain heavy at some Continental stations—1·3 in. at Munich and 1·5 in. at Barcelona.

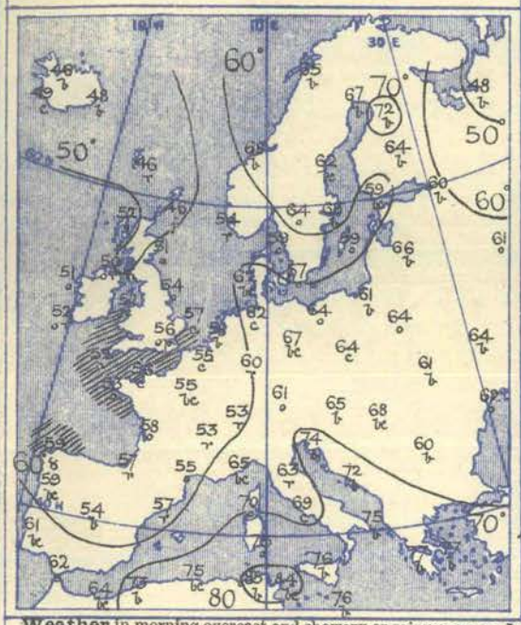
Temperature risen over the east and north of Europe, changed little or fallen elsewhere. Readings in morning 79° at La Calle, 81° at Tunis, and above 70° in many southern districts; 66° or 67° in the far north of Scandinavia and at Moscow, and above 60° in the north generally. Below 55° over a considerable portion of these Islands, and only 51° at Scilly. Rising later to 100° at Tunis, to 88° at Florence, and to above 80° in many southern localities. Maxima above 70° in the far north of our area, but thermometer not reaching 60° in many parts of these Islands, and only 53° at Aberdeen.

Wind in morning moderate to strong from the Southward over the south of this country, and from the Eastward or South-Eastward in the north. Fresh to strong South-Westerly breezes prevailing over the Bay of Biscay, and a moderate North-Westerly breeze over Portugal. Light airs from no general direction shown elsewhere. A fresh South-Westerly gale setting in later at Portland Bill, and a moderate Northerly to North-Westerly wind in the south and west of Ireland.

Barometer in morning above 30·1 ins. in Portugal and also in the extreme north of Europe, and relatively high in a band extending from Lapland to central Europe. Below 29·4 ins. in a depression having its centre to the southward of Queenstown, below 29·5 ins. to the southward of Iceland, and less than 29·9 ins. in a large depression over Russia. Western depression travelling north-eastwards during day and barometer rising briskly in its rear. Russian disturbance increasing somewhat in depth.

Thursday, 13th June, 1907.

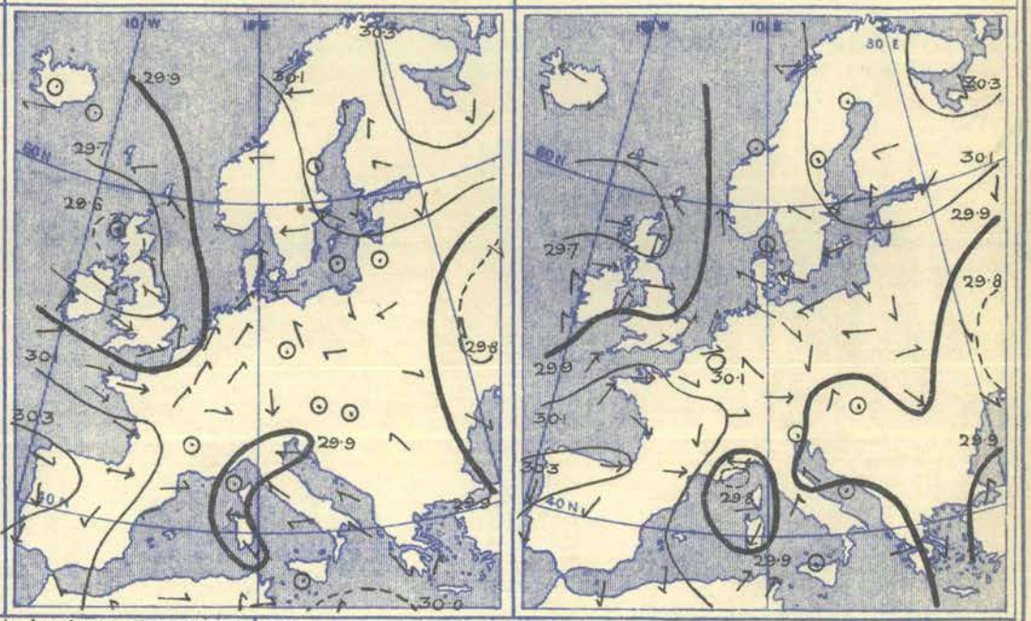
Temperature and Weather. 8 a.m.



Weather in morning overcast and showery or rainy over our Islands and most other parts of north-western Europe, as well as in the south of France and at Florence; a thunderstorm prevailing at Cape Sicié, and much fog on the north-east coast of Scotland. Fine and bright elsewhere. Rain experienced later throughout the United Kingdom and a thunderstorm at several stations. Considerable amounts of rain falling in Germany and Austria, and large quantities in the south-east of France and northern Italy, 2·1 ins. at Nice and 2·6 ins. at Turin.

Temperature fallen over France and Spain, changed irregularly as a whole. Readings in morning 85° at La Calle, 84° at Tunis, and nearly 80° in some other southern regions. Above 60° in most parts of northern Europe, and as high as 72° at Uleaborg. Below 55° over a large portion of France and the United Kingdom, and less than 50° in the north of Scotland. Rising later to about 95° at Tunis and La Calle, to above 80° in many southern regions, and to 86° at Haparanda. Maximum only 55° at Lyons, and below 60° over the greater part of this country.

Barometer and Wind. 8 a.m. and 6 p.m.

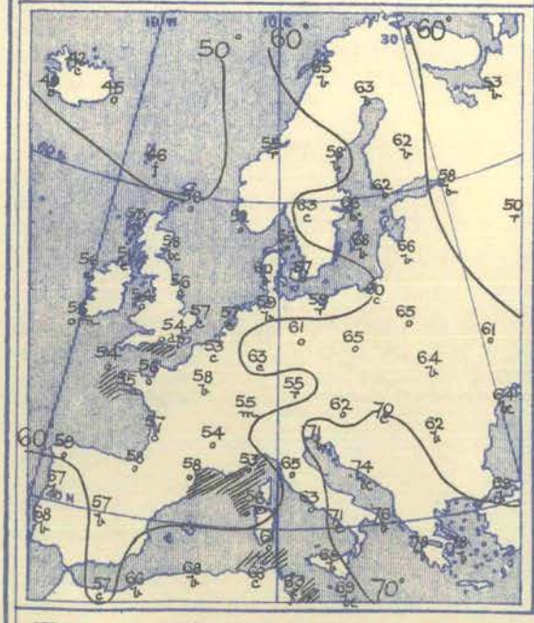


Wind in morning moderate to strong from between North-West and South-West over England and Ireland, and light or moderate from South-East in Scotland. A fresh to strong breeze from North-West prevailing over the Bay of Biscay, and an irregular cyclonic circulation over the Mediterranean. Latter movement becoming more marked by evening, and Easterly current blowing a fresh gale at Nice. Wind backing to South in Ireland.

Barometer in morning above 30·3 ins. both over the White Sea and between the Azores and the Peninsula. Below 29·9 ins. in an elongated depression over the north of Italy, Corsica, and Sardinia, less than 29·8 ins. in another system over Russia, and below 29·6 ins. in a well-defined disturbance centred over the Hebrides. Pressure rising over the south-west of France during day, and the Italian depression undergoing much modification in form. North-western disturbance travelling northwards, but another low-pressure system approaching Ireland.

Friday, 14th June, 1907.

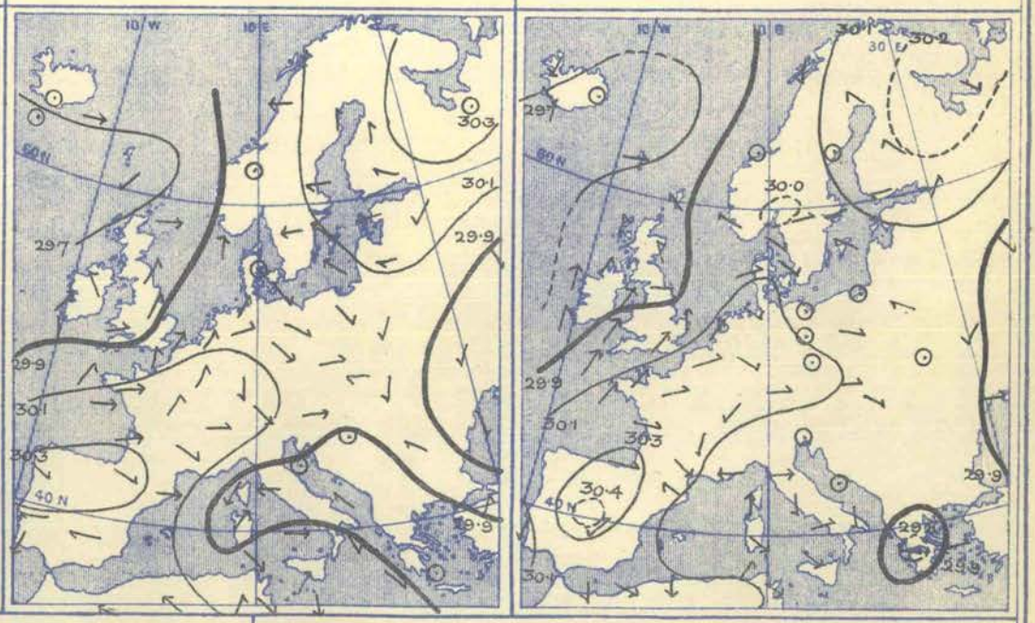
Temperature and Weather. 8 a.m.



Weather in morning cloudy or overcast in most parts of France, the Low Countries, several parts of Central Europe, and Iceland, with rain or showers in several localities. Fine and bright in almost all the southern and north-eastern regions, but rain falling at St. Petersburg. Rain experienced later in scattered parts of the Continent and in nearly all localities in these Islands. Amounts not large generally, but more than 0·5 in. at some Russian stations, 0·9 in. at Neu-Fahrwasser, and 1·5 in. at Wisby.

Temperature fallen quickly on some of the Mediterranean shores, risen in Scotland, changed little elsewhere. Readings in morning 78° at Patras, 76° at Brindisi, and nearly 70° in Algeria and Sicily. Above 60° in Finland and the north of Scandinavia, but as low as 50° at St. Petersburg. Below 55° over a large portion of this country, and below 50° in Iceland. Maxima during day 66° at Birr Castle and in London, but below 60° in some parts of these Islands. Thermometer rising to 70° or above over southern and central Europe and in Scandinavia, to 84° at Haparanda, and to 88° at Patras.

Barometer and Wind. 8 a.m. and 6 p.m.

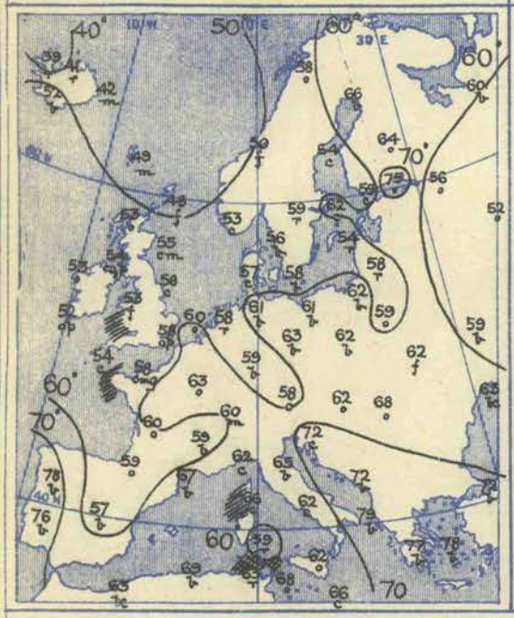


Wind in morning mainly Southerly to South-Westerly over the United Kingdom, and of little force, and light from North-East at Thorshavn. A cyclonic circulation of moderate to strong winds prevailing over the Mediterranean, and light anticyclonic movements both in the south-west and north-east of our area. Scarcely any change during day.

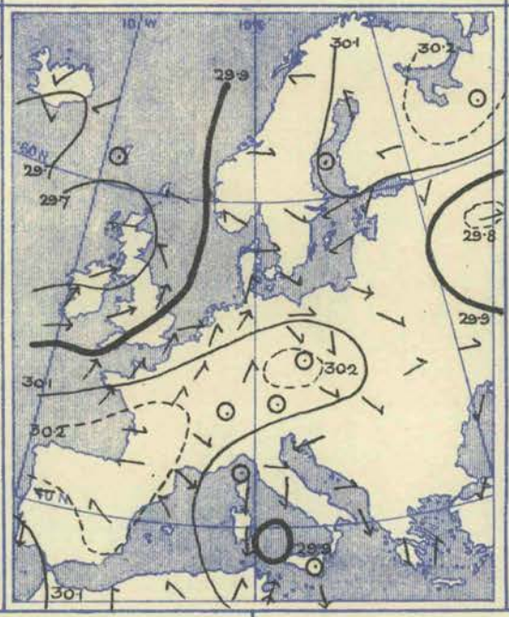
Barometer in morning above 30·3 ins. over the north of Spain and the adjacent part of the Bay of Biscay, and also over the White Sea and its neighbourhood. Below 29·9 ins. in a depression extending from the Gulf of Genoa to Greece, and less than 29·7 ins. in another system having its minimum near the Faeröe. A fresh depression causing a fall of the mercury in Ireland during day. No great change occurring in the general distribution of pressure. Northern disturbance travelling northwards.

Saturday, 15th June, 1907.

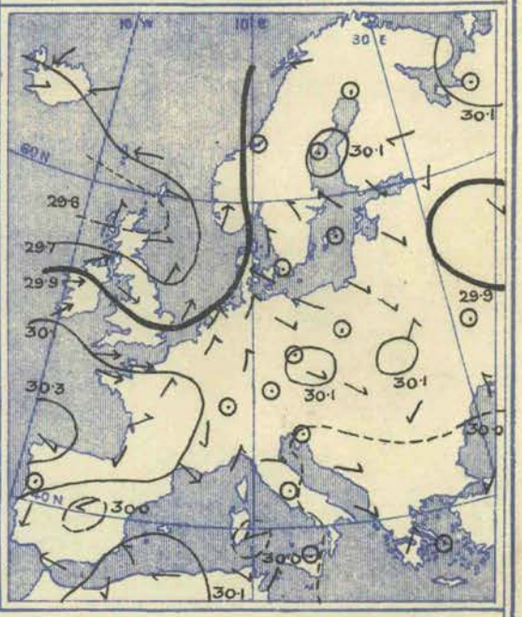
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Spanish Peninsula and a large part of France and central and northern Europe; cloudy or overcast elsewhere, with rain or passing showers over these Islands, as well as on some shores of the Mediterranean and Baltic. Thunderstorms occurring later at Spurn Head, Nottingham, and several other parts of the United Kingdom, and rain falling over the whole of these Islands, the adjacent parts of the Continent, as well as in Norway, Italy, at Moscow, and La Calle.

Temperature showing no general change, risen at most of our own stations. Readings in morning nearly 80° in Greece, over the Adriatic, and in Portugal, and between 65° and 70° in the south as a whole, and also in the far north of Scandinavia. Below 60° in nearly all parts of this country. Thermometer rising to 84° during day at Haparanda, and to 70° at Bodö, but remaining below 65° at nearly all our own stations. Maxima 90° at Lisbon, 91° at Madrid, 93° at Algiers, and above 80° in many southern regions.

Wind in morning moderate to strong from West or South-West over Ireland and England, and light from East or South-East in Scotland. Cyclonic winds of varying force prevailing over Italy and the adjacent portion of the Mediterranean, and light anticyclonic airs both in the south-west and north-west of our area. No general change during day; Westerly current extending to Scotland by evening, but wind backing to South-West in the south-west of Ireland.

Barometer in morning above 30·2 ins. over the White Sea, and ranging from 30·1 ins. to above 30·2 ins. over the south-western and central countries, to below 30·0 ins. in an irregularly shaped depression in the south-east of our area, to less than 29·8 ins. in another system near Moscow, and to below 29·7 ins. in minima situated over Iceland and the north and north-west of these Islands. Northern disturbance travelling northwards during day, and pressure increasing rather decidedly in Ireland. Little modification taking place in the general distribution.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 300	3,300 / 1,000	5,000 / 1,500	6,600 / 2,000	8,200 / 2,500	10,000 / 3,000	Remarks.
1907. June 9th, 10.15 a.m. to 11.20 a.m.	Brighton, 380 ft.	Temperature F.	64°	61°						One kite, 77 sq. ft.; 3,500 ft. wire. Max height, 2,100 ft. Temp. 60°. Alto stratus. Thunder shower followed at 3 p.m.
		Humidity	70%	70%						
		Wind Velocity, m. per hr.	SE by S, —	SSE, 30						
June 10th, 10.0 a.m. to 10.25 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	54°						One kite, 52 sq. ft.; 2,000 ft. wire. Max. height, 2,200 ft. Temp. 50°. Very strong gusty wind.
		Humidity	90%	93%						
		Wind Velocity, m. per hr.	S, 18	S by W, —						
June 12th, 10.34 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	62°	52°	45°					One kite, 52 sq. ft.; 5,400 ft. wire. Max. height, 3,600 ft. Temp. humidity and wind changes very irregular. Wind, 25 to 43 m. per h. Cu. clouds.
		Humidity	65%	80%	95%					
		Wind Velocity, m. per hr.	S, 15	S by W, 28	SSW, 40					
June 13th, 2.47 p.m. to 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	53°	44°					One kite, 52 sq. ft.; 5,050 ft. wire. Max. height, 3,750 ft. A few clouds below 3,500 ft., upper layer of clouds not reached. Steady wind above 1,000 ft., falling off with height.
		Humidity	80%	88%	95%					
		Wind Velocity, m. per hr.	WSW, 19	W by S, 35	W by S, 32					
June 13th, 4.55 p.m. to 6.19 p.m.	Brighton, 380 ft.	Temperature F.	54°	49°						One kite, 50 sq. ft.; 5,000 ft. wire. Scud 1,000 ft. Kite could not be seen, but the wire indicated a W. wind.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	WSW, * 25	W, 25						
June 14th, 3.11 p.m. to 6.53 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	56°	53°	45°	40°				One kite; 77 sq. ft. Overcast.
		Humidity	94%	95%	100%	100%				
		Wind Velocity, m. per hr.	SW by W, —	W by S, 20	WSW, 21	WSW, 25				
June 15th, 10.20 a.m. to 12 noon.	Glossop Moor, 1,100 ft.	Temperature F.	57	54°	46°	42°	42°			One kite; 77 sq. ft.; wire 11,000 ft. Max. height, 7,010 ft. Temp. 42° F. Later (at 1.0 p.m.) Inversion at 5,700 ft. Temp 37° F.
		Humidity	91%	95%	100%	100%	90%			
		Wind Velocity, m. per hr.	SW by W, —	WSW, 24	WSW, 29	WSW, 26	WSW, 28			

* Estimated.

63, Victoria Street, London, S.W. *June 19th, 1907.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 25. TWENTY-FIFTH WEEK, ENDING SATURDAY, JUNE 22ND, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather remained in a very unsettled state in all the more western and northern districts, with frequent, and, in some cases, heavy falls of rain. In the east and south of England, however, it was finer and drier than for some time past. Thunderstorms occurred over northern and central England on Saturday.

Temperature was below the average, the deficit shown by the mean values ranging from about two degrees in England N.E. and E. to between four and four and a half degrees in the north of Ireland and the western parts of Great Britain. The highest readings, which occurred on various dates, were rather low for the season. At one station in England E. (Great Yarmouth) the thermometer touched 70°, and in many other parts of the week it rose to between 67° and 69°. There were, however, in most districts isolated places in which it failed to reach 65°. The lowest readings, which occurred chiefly in the earlier half of the week, ranged from 37° in Scotland E. (at Nairn), and 36° in Scotland N. to 42° in Scotland W. and in England N.E. and E., and 46° in the Channel Islands. Slight ground frost was experienced at about the same time at some of the other northern stations on Tuesday night.

Mean Temperature of the Sea.—At the majority of stations from which such information is received, the sea water was warmer than in the preceding week, the change being greatest on our north and north-east coasts. The mean values for the week ranged from nearly 59° at Margate and 55° and upwards on some other parts of our southern and south-western coasts, as well as at Ballyglass, to a little below 50° at many northern stations.

Rainfall was deficient in most parts of England, and also in the east of Scotland. In the extreme northern and most of the western districts it was in excess of the normal, Scotland W. and Ireland N. receiving nearly double, and England north-west more than double the average quantity. Heavy falls occurred in Lancashire on Wednesday and in some other portions of the north of England on Thursday and Saturday.

Bright Sunshine exceeded the average in eastern, central and southern England, but was rather deficient elsewhere. The percentage of the possible duration ranged from 58 in the Channel Islands and 55 in England S. to 29 in Scotland E., 28 in Ireland N. and 21 in Scotland N.

Barometer and Wind.—During the week an anticyclone which had existed for some time over the southern portions of the North Atlantic extended its borders over France and occasionally as far north as our own southern districts. In the western and northern parts of the United Kingdom the weather was, however, influenced by cyclonic disturbances which advanced from the Atlantic, the centres of these systems travelling, as a rule, in a north-easterly direction outside the Irish and Scottish coasts. Over the country as a whole the prevailing winds were from South-West or West, and at the close of the week a considerable freshening took place on our western and southern coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 188.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Light	Moderate	Light	Heavy	Heavy	Moderate	Heavy	Moderate	Light
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 3 weeks from June 2nd.	Warmth ...	1 * 2	0 * 2	1 * 2	1 * 1	0 * 2	0 * 2	0 * 2	0 * 2	0 * 3	0 * 2	0 * 2	0 * 2
	Rainfall ...	3 * 0	2 * 0	1 * 0	0 * 1	1 * 0	1 * 1	3 * 0	3 * 0	2 * 0	3 * 0	2 * 0	1 * 1
	Sunshine ...	0 * 3	0 * 2	0 * 1	0 * 1	0 * 1	1 * 1	0 * 3	0 * 2	0 * 2	0 * 2	0 * 3	0 * 2

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (25th)—June 16th to 22nd, 1907.

DISTRICTS. (See p. 195.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	64	36	56·1	45·0	50·1	- 2·7	57	- 19	0	0	6	+ 2	0·94	+0·29	26	- 10	21	- 8
Eastern																		
1. SCOTLAND, EAST	67	33	58·6	45·0	51·4	- 3·5	66	- 24	0	0	5	+ 2	0·44	-0·03	35	- 7	29	- 6
2. ENGLAND, N.E.	67	42	61·4	47·8	54·1	- 1·9	85	- 13	0	0	3	- 1	0·45	+0·03	42	+ 3	36	+ 2
3. ENGLAND, EAST	70	42	64·1	48·7	55·8	- 2·0	97	- 13	0	0	1	- 2	0·04	-0·38	53	+ 6	46	+ 5
4. MIDLAND COUNTIES	69	39	61·8	46·8	53·8	- 3·8	83	- 26	0	0	4	+ 1	0·35	-0·13	47	+ 5	41	+ 4
5. ENGLAND, SOUTH	67	40	62·3	48·6	55·0	- 3·5	91	- 25	0	0	1	- 1	0·03	-0·37	63	+ 15	55	+13
Western																		
6. SCOTLAND, WEST	69	42	58·0	46·3	51·7	- 4·1	68	- 28	0	0	6	+ 2	1·26	+0·54	34	- 9	29	- 8
7. ENGLAND, N.W.	68	39	58·7	47·8	52·9	- 4·1	76	- 29	0	0	6	+ 3	1·20	+0·62	40	- 4	34	- 4
8. ENGLAND, S.W...	68	39	59·9	47·5	53·2	- 4·4	78	- 31	0	0	5	+ 1	0·39	-0·15	49	- 2	43	- 1
9. IRELAND, NORTH	64	37	57·4	46·4	51·5	- 4·5	67	- 30	0	0	6	+ 2	1·31	+0·65	33	- 6	28	- 5
10. IRELAND, SOUTH	67	39	60·4	47·8	53·7	- 3·7	82	- 26	0	0	5	+ 1	0·67	+0·04	35	- 7	30	- 6
11. ENGLISH CHANNEL	67	46	61·3	51·6	56·1	- 2·4	99	- 16	0	0	3	0	0·06	-0·35	65	+ 8	58	+ 7

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 3 Weeks, June 2nd to 22nd, 1907.

0. SCOTLAND, NORTH	71	33	*	*	*	*	168	-38	1	+ 1	18	+ 7	3·06	+1·31	72	- 44	19	-12
Eastern																		
1. SCOTLAND, EAST	70	33	*	*	*	*	199	- 46	0	0	16	+ 7	2·55	+1·19	86	- 39	24	-11
2. ENGLAND, N.E...	75	35	*	*	*	*	261	- 4	0	0	15	+ 6	1·91	+0·64	106	- 12	30	- 4
3. ENGLAND, EAST	75	42	*	*	*	*	296	- 7	0	0	11	+ 2	0·98	-0·49	120	- 21	35	- 6
4. MIDLAND COUNTIES.. ..	75	39	*	*	*	*	260	- 43	0	0	16	+ 8	1·82	+0·40	108	- 20	31	- 6
5. ENGLAND, SOUTH	73	40	*	*	*	*	280	- 44	0	0	10	+ 2	1·18	-0·19	138	- 6	41	- 2
Western																		
6. SCOTLAND, WEST	76	36	*	*	*	*	214	- 52	0	0	19	+ 9	4·30	+2·16	61	- 75	17	-21
7. ENGLAND, N.W...	75	38	*	*	*	*	246	- 44	0	0	19	+10	3·98	+2·49	82	- 57	23	-16
8. ENGLAND, SW	75	39	*	*	*	*	246	- 62	0	0	17	+ 7	2·59	+1·01	101	- 52	30	-15
9. IRELAND, NORTH	65	37	*	*	*	*	213	- 57	0	0	19	+ 8	3·54	+1·72	79	- 43	22	-12
10. IRELAND, SOUTH	69	39	*	*	*	*	258	- 45	0	0	17	+ 7	2·75	+1·01	87	- 46	25	-13
11. ENGLISH CHANNEL	69	46	*	*	*	*	288	- 36	0	0	13	+ 3	0·99	-0·27	138	- 31	41	- 9

THE YEAR.—Aggregates, &c., for the period of 25 Weeks, December 30th, 1906, to June 22nd, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	571	- 65	522	- 21	130	+15	26·28	+5·42	575	- 48	26	- 2
Eastern																		
1. SCOTLAND, EAST	70	5	*	*	*	*	663	-116	599	+ 11	96	+ 3	13·08	+1·01	679	- 9	31	0
2. ENGLAND, N.E...	82	15	*	*	*	*	855	+ 38	501	+ 26	93	+ 7	10·71	+0·96	763	+ 98	35	+ 5
3. ENGLAND, EAST	81	10	*	*	*	*	955	- 39	518	- 3	88	+ 4	9·68	-0·21	804	+ 28	37	+ 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	945	- 77	540	+ 7	90	+ 8	10·97	-0·13	699	+ 4	32	0
5. ENGLAND, SOUTH	76	16	*	*	*	*	996	- 95	434	+ 53	80	+ 1	10·37	-0·61	829	+ 54	38	+ 3
Western																		
6. SCOTLAND, WEST	76	16	*	*	*	*	782	- 72	404	- 6	109	+10	23·91	+3·74	611	- 97	28	- 4
7. ENGLAND, N.W.	76	15	*	*	*	*	842	- 72	418	+ 32	105	+15	15·83	+2·06	685	- 30	32	- 1
8. ENGLAND, S.W...	76	5	*	*	*	*	911	-162	396	+ 95	104	+14	16·03	+0·34	744	- 81	35	- 4
9. IRELAND, NORTH	70	16	*	*	*	*	801	-129	292	- 53	121	+15	19·72	+3·92	608	- 74	28	- 4
10. IRELAND, SOUTH	73	11	*	*	*	*	1030	- 92	256	- 3	115	+19	15·14	-2·14	678	- 76	31	- 4
11. ENGLISH CHANNEL	70	21	*	*	*	*	1134	-109	96	- 13	92	- 5	11·33	-1·85	849	- 84	39	- 4

June 16-22, 1907.			Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	55	45	52·6	46·3	49·2	- 0·7	50	0	5	0·28	- 0·16	30·0	- 5·4	24	- 4
		Stornoway	59	40	55·9	46·0	50·6	- 2·0	60	0	7	1·04	+ 0·46	26·8	- 16·0	21	- 13
	Mainland.	Wick	61	38	58·0	44·4	50·7	- 1·7	61	0	6	0·78	+ 0·34	*	*	*	*
		†Lairg (Strathpeffer) ..	64	38	60·3	43·7	51·4	- 1·8	66	0	7	0·64	+ 0·07	25·3	- 12·1	20	- 10
		Glencarron	57	36	54·0	43·3	48·3	- 5·5	44	0	7	1·55	+ 0·59	*	*	*	*
		Fort Augustus	63	38	57·0	45·1	50·6	- 4·4	60	0	5	0·95	+ 0·48	21·2	- 10·1	17	- 7
		Fort William	59	43	54·8	46·1	50·2	- 5·0	57	0	6	1·36	+ 0·44	*	*	*	*
1. SCOTLAND, E.		Nairn	63	37	59·7	44·4	51·5	- 3·5	67	0	5	0·45	+ 0·01	28·1	—	23	—
		Aberdeen	62	44	60·3	47·7	53·6	- 0·7	81	0	5	0·79	+ 0·35	34·4	- 9·0	28	- 7
		†Balmoral (Crathes) ..	56	—	55·4	—	—	—	—	—	4	0·20	- 0·36	33·9	—	28	—
		†Crieff (Balruddery) ..	66	41	59·4	45·1	51·8	- 4·4	69	0	4	0·26	- 0·44	32·8	—	27	—
		†Leith (Edinburgh) ..	66	44	59·6	48·0	53·4	- 2·9	80	0		0·40	- 0·08	36·0	+ 1·0	30	+ 1
		Marchmont	67	40	57·4	43·1	49·8	- 4·3	55	0	4	0·56	- 0·04	43·4	+ 0·2	36	0
		(Saltburn)												35·1	—	30	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	66	43	61·8	47·1	53·9	- 0·6	83	0	3	0·65	+ 0·16	39·9	—	33	—
		†Shields (Newcastle)	64	44	60·9	46·3	53·1	- 3·2	78	0	4	0·53	+ 0·08	32·3	- 0·9	27	- 1
		Durham	67	44	59·7	46·5	52·6	- 3·3	74	0	3	1·10	+ 0·61	38·5	- 1·8	32	- 2
		Scarborough	62	47	60·8	48·8	54·4	- 1·7	87	0	4	0·61	+ 0·14	35·8	—	30	—
		York	66	44	62·6	48·3	55·0	- 2·5	91	0	3	0·32	- 0·18	38·2	- 2·8	32	- 2
	Southern part.	Spurn Head	66	49	61·0	51·0	55·7	- 0·7	96	0	3	0·18	- 0·18	*	*	*	*
		†Lincoln (Skegness)	65	42	62·6	46·9	54·2	- 4·7	85	0	3	0·07	- 0·42	45·5	—	39	—
		†Fulbeck (Rauceby)	64	42	61·5	47·5	54·0	- 4·3	84	0	3	0·13	- 0·34	56·2	—	48	—
3. ENGLAND, E	Northern part.	Hillington	64	42	62·4	46·3	53·8	- 4·0	83	0	3	0·04	- 0·49	45·1	- 0·9	39	- 1
		†Yarmouth (Lowestoft) ..	70	48	63·6	49·4	56·0	- 1·2	98	0	2	0·05	- 0·39	49·8	—	43	—
		Geldeston	69	44	65·0	47·5	55·6	- 1·8	95	0	1	0·02	- 0·41	47·6	- 1·0	41	- 1
		(Cromer)												43·4	—	37	—
	Southern part.	Cambridge	67	43	64·4	46·8	55·0	- 3·8	91	0	1	0·06	- 0·47	52·6	+ 6·0	45	+ 5
		Felixstowe	67	48	64·6	50·4	57·0	- 1·3	105	0	0	0·00	—	60·3	—	52	—
		Clacton-on-Sea	67	46	64·6	50·4	57·0	- 2·2	105	0	1	0·01	—	59·8	—	52	—
		Rothamsted	67	43	62·8	46·9	54·3	- 3·3	86	0	2	0·12	- 0·42	60·2	+ 14·9	52	+ 13
		Shoeburyness	69	46	65·3	50·6	57·4	- 2·4	108	0	1	0·01	- 0·42	*	*	*	*
		London, Westminster	67	44	64·1	49·7	56·4	- 3·5	101	0	1	0·02	- 0·50	59·5	+ 20·3	52	+ 18
		(Dunmow)												59·4	—	52	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	64	43	60·5	46·5	53·0	- 2·6	77	0	5	0·68	+ 0·10	46·0	—	39	—
		†Bawtry (Worksop)	69	43	64·0	48·0	55·4	- 2·5	94	0	2	0·38	- 0·10	43·5	+ 5·1	37	+ 4
		Nottingham	64	44	62·3	47·9	54·6	- 3·6	88	0	3	0·22	- 0·30	46·9	—	40	—
		Birmingham, Edgbaston ..	64	43	60·3	46·6	53·0	- 4·6	77	0	3	0·23	- 0·35	40·7	—	35	—
		Oxford	66	42	63·1	47·4	54·7	- 4·0	89	0	3	0·15	- 0·38	50·2	+ 5·0	44	+ 4
	Western part.	†Cheadle (Sheffield)	62	43	58·4	45·8	51·7	- 4·3	68	0	3	0·84	+ 0·19	54·9	—	47	—
		Shrewsbury	65	43	62·1	47·0	54·0	- 4·1	84	0	5	0·54	—	*	*	*	*
		Hereford	65	42	63·2	46·4	54·2	- 3·9	85	0	5	0·18	- 0·35	*	*	*	*
		Cirencester	63	39	61·5	44·4	52·4	- 4·4	73	0	3	0·16	- 0·41	49·7	+ 4·2	43	+ 4
		Bath	65	46	62·9	48·3	55·1	- 4·4	92	0	3	0·14	- 0·40	47·3	—	41	—
		(Margate)												65·6	+ 22·2	57	+ 19
5. ENGLAND, S.		Kew	67	44	64·4	49·2	56·3	- 2·7	100	0	1	0·02	- 0·51	61·9	+ 16·5	54	+ 14
		Wisley, Surrey	67	43	64·4	47·9	55·6	- 3·3	95	0	1	0·01	—	61·9	—	54	—
		†Swarraton (Ventnor) ..	64	40	62·0	45·4	53·1	- 3·8	78	0	3	0·07	- 0·47	64·6	+ 19·0	57	+ 17
		Tunbridge Wells ..	65	41	63·3	46·7	54·4	- 3·6	87	0	1	0·02	- 0·50	63·5	+ 16·8	56	+ 15
		†Dungeness (Littlestone) ..	64	41	61·7	49·6	55·2	- 2·8	92	0	1	0·02	- 0·34	65·2	—	57	—
		Hastings	63	46	61·0	49·1	54·6	- 3·5	88	0	1	0·03	- 0·41	72·0	+ 18·6	63	+ 16
		Southampton	67	46	65·2	48·8	56·4	- 3·4	101	0	2	0·03	- 0·46	60·3	+ 11·0	53	+ 10
		†Portland Bill (Worthing) ..	57	50	56·6	52·0	54·1	- 3·8	85	0	0	0·00	—	66·4	—	58	—
		(Eastbourne)												73·5	+ 21·8	65	+ 19
6. SCOTLAND, W.		†Laudale (Oban)	61	43	56·6	47·1	51·5	- 4·2	67	0	6	0·99	+ 0·02	25·5	—	21	—
		Glasgow	62	43	56·4	47·1	51·4	- 4·4	66	0	5	0·61	- 0·06	31·5	- 6·2	26	- 5
		Dumfries	69	43	60·1	45·8	52·5	- 4·2	74	0	6	1·64	+ 1·01	*	*	*	*
		Cally	68	42	58·9	44·3	51·1	- 5·6	64	0	6	1·41	+ 0·66	*	*	*	*
		Douglas, Isle of Man	61	44	58·0	47·0	52·1	- 3·4	71	0	6	1·63	+ 1·02	46·2	- 4·7	39	- 4
7. ENGLAND, N.W.		Aspatria	61	41	57·7	46·7	51·8	- 3·7	69	0	5	1·55	+ 0·93	33·4	—	28	—
		Newton Rigg	62	39	57·6	45·0	50·9	- 4·0	62	0	5	0·85	+ 0·34	35·3	- 13·0	30	- 11
		Stonyhurst	59	45	56·9	47·6	51·9	- 4·5	69	0	6	2·25	+ 1·49	36·3	- 9·2	31	- 8
		Blackpool	59	47	57·4	49·3	53·1	- 4·0	78	0	6	1·28	+ 0·75	42·2	- 3·9	36	- 3
		Manchester, Prestwich ..	62	44	58·8	46·5	52·2	- 4·5	71	0	6	1·49	+ 0·79	41·0	+ 1·9	35	+ 2
		†Liverpool Obs. (Hoylake) ..	62	48	59·1	49·1	53·8	- 3·9	83	0	6	0·61	+ 0·09	45·7	—	39	—
		†Hawarden Bridge (Southport)	68	46	61·6	49·1	54·9	- 3·0	90	0	5	0·40	- 0·05	44·0	- 7·2	37	- 6
	NORTH WALES	Llandudno	62	48	60·5	49·3	54·5	- 3·2	88	0	6	0·94	+ 0·47	48·8	+ 1·5	42	+ 1
		†Holyhead (Aberdovey) ..	61	47	57·7	48·6	52·8	- 3·6	76	0	6	1·17	+ 0·64	42·7	—	37	—
		Bettws-y-Coed	61	41	59·6	46·9	52·8	- 5·1	76	0	6	1·47	—	33·0	—	28	—
8.	SOUTH WALES	Llangammarch Wells	63	39	58·8	45·0	51·4	- 5·2	66	0	6	1·01	—	36·9	—	32	—
		Pembroke	58	49	55·9	50·0	52·7	- 3·6	75	0	5	0·37	- 0·13	51·9	- 0·6	45	- 1
		†Cardiff (Aberystwyth)	65	42	61·1	45·8	52·9	- 6·1	76	0	6	0·30	- 0·33	42·5	—	37	—
	ENGLAND S.W.	Clifton															
		†Shaftesbury (Marlborough)	64	44	61·2	46·2	53·2	- 3·4	78	0	4	0·15	- 0·40	49·3	+ 7·0	43	+ 6
		†Arlington (Newquay)	61	43	58·6	46·7	52·2	- 3·8	71	0	6	0·78	+ 0·01	57·7	+ 6·3	51	+ 6
		Cullompton	68	43	64·7	47·5	55·5	- 2·4	95	0	5	0·21	- 0·37	50·4	+ 4·6	44	+ 4
		Plymouth	60	46	58·8	49·1	53·6	- 5·0	81	0	3	0·06	- 0·48	55·6	+ 6·2	49	+ 6
		Falmouth	62	48	60·3	49·3	54·4	- 3·2	87	0	4	0·24	- 0·35	46·5	- 6·3	41	- 6
		(Torquay)												61·9	+ 8·1	54	+ 8
9. IRELAND, N.	Western part.	Malin Head	59	44	54·7	47·6	50·9	- 4·0	62	0	6	0·89	+ 0·39	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	58	40	56·1	47·0	51·2	- 5·0	64	0	6	1·78	+ 1·16	*	*	*	*
		Markree Castle	64	37	59·1	45·0	51·6	- 3·7	67	0	6	1·42	+ 0·70	35·2	- 3·4	30	- 3
	Eastern part.	Armagh	63	42	59·2	45·9	52·1	- 4·0	71	0	6	1·32	+ 0·73	30·6	- 9·1	26	- 8
		Donaghadee	63	43	57·9	46·6	51·9	- 3·6	69	0	6	1·12	+ 0·57	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	65	45	62·5	48·6	55·1	- 3·1	92	0	6	0·51	+ 0·04	35·8	- 9·7	31	- 8
		Kilkenny	65	39	62·3	46·0	53·6	- 3·2	81	0	5	0·50	- 0·08	*	*	*	*
		Waterford	63	41	60·3	47·7	53·6	- 3·6	81	0	5	0·57	- 0·10	*	*	*	*
	Western part.	Birr Castle	64	39	59·6	46·3	52·5	- 4·1	74	0	5	0·72	+ 0·12	31·5	- 7·5	27	- 6
		Foynes	61	41	59·0	48·1	53·2	- 3·5	78	0	7	1·34	+ 0·77	*	*	*	*
		Killarney	67	40	63·6	47·6	55·0	- 1·6	91	0	5	0·52	- 0·15	*	*	*	*
		Valencia	60	41	57·6	49·1	53·1	- 3·7	78	0	5	0·72	- 0·12	32·4	- 12·2	28	- 11
		†Roches Point (Ballinacurra) ..	60	42	58·3	48·9	53·3	- 4·3	79	0	5	0·46	- 0·28	40·6	—	36	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	60	52	58·9	53·0	55·7	- 1·9	96	0	3	0·06	- 0·41	50·0	- 0·9	44	- 6
		†Jersey, St. Aubins (St. Hellers)	67	49	62·9	52·1	57·1	- 2·1	106	0	3	0·06	- 0·42	72·3	+ 15·8	65	+ 14
		Guernsey	66	46	62·1	49·7	55·5	- 2·5	95	0	4	0·05	- 0·45	73·6	+ 16·0	65	+ 14

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 68·7 hrs., 60 %; Brighton, 63·0 hrs. (+11·0), 55 % (+ 10 %); Bournemouth, 62·1 hrs., 55 %; Bognor, hrs., %; Rhyl, 46·0 hrs., 39 %; Tenby, 51·9 hrs. (- 1·5), 45 % (- 1 %).

	STATION	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	48·9
	Crathes	0	36	54·3	50·2
	Balmoral	1	27	—	—
	Marchmont ..	—	—	53·9	—
2.	Cockle Park	0	35	53·0	50·7
	York	—	—	55·0	51·6
	Hull	0	42	56·3	52·0
	Lincoln	—	—	56·4	53·0
3.	Lowestoft	—	—	58·2	54·6
	Cambridge	0	38	58·8	55·7
	Dunmow	0	39	—	—
	Clacton-on-Sea ..	0	39	57·0	55·9
4.	Harrogate	0	38	53·1	51·2
	Sheffield	0	41	54·7	50·3
	— — ..				
	Birmingham	0	35	51·7	49·3
	Nottingham	0	38	56·1	53·1
	— — ..				
5.	Kew	0	35	57·5	54·2
	Canterbury	0	42	58·3	55·5
	Portsmouth	0	42	59·7	57·0
	Wisley	—	—	57·8	54·9
6.	— — ..				
	Glasgow	0	34	—	—
	— — ..				
7.	Newton Rigg ..	0	32	55·4	51·0
	Southport	0	44	59·7	56·9
	Manchester City ..	0	40	55·8	52·9
	Bettws-y-Coed ..	0	41	53·6	51·0
	— — ..				
8.	Llangammarch Wells	0	32	54·0	51·2
	Bath	—	—	—	—
	Plymouth	0	42	58·0	—
	— — ..				
9.	Armagh	0	38	56·7	53·2
	Markree Castle ..	0	31	—	—
10.	Dublin, Trin. Coll. ..	0	35	56·5	53·5
11.	Guernsey, Brooklyn	0	42	59·7	56·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	49	49·0
	Kirkwall	53	49	51·8
	Wick	50	49	49·6
SCOTLAND, E.	Cromarty	51	50	50·4
	Pennan Bay	53	47	50·3
	Aberdeen, Cove Bay ..	51	49	50·0
ENGLAND, N.E.	Burnmouth, Berwick ..	50	47	49·3
	Scarborough	53	47	50·2
ENGLAND, E.	Shipwash Lightship ..	57	54	55·9
	Margate‡	60	57	58·7
ENGLAND, S.E.	Eastbourne‡	58	56	57·4

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	51	48	49·5
	Ballantrae	52	50	51·1
ENGLAND, N.W.	Port Erin	53	51	51·7
ENGLAND, S.W.	Newquay	56	55	55·6
	Plymouth‡	56	54	55·3
	Salcombe	54	53	53·8
IRELAND, N.W.	Sheephaven	55	51	53·8
	Ballyglass	60	50	55·4
IRELAND, S.W.	Cleggan	57	53	54·4
	Seafield	59	53	56·5
IRELAND, E.	Kingstown‡	53	53	53·0

‡ Only one observation each day.

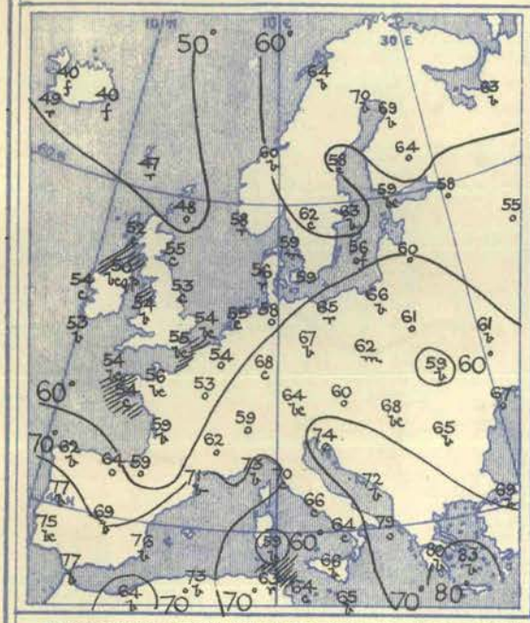
CORRECTIONS AND ADDITIONS FOR MAY, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

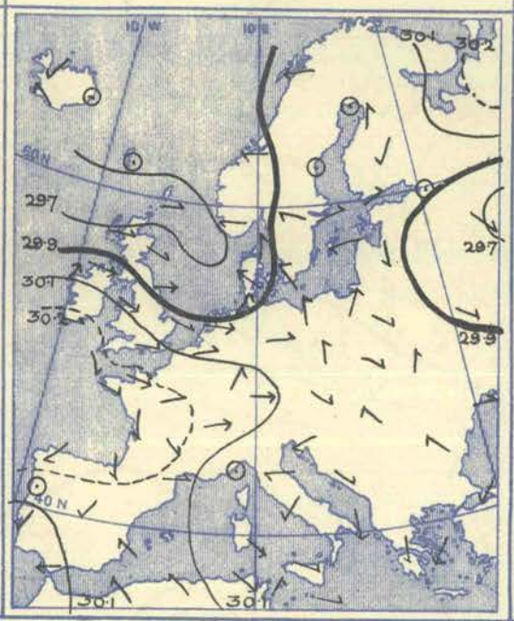
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 19, p. 146	1. Scotland, East	—	—	—	—	—	—	—	—	—	—	—	30	−10	28	− 9
Station Values.—Additions.																
No. 19, p. 147	Balruddery	—	—	—	—	—	—	—	—	—	—	—	19·9	—	18	—
No. 20, p. 155	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	51·2	—	47	—
No. 20, p. 155	Torquay	—	—	—	—	—	—	—	—	—	—	—	45·2	− 6	42	− 6
Station Values.—Corrections.																
No. 18, p. 139	Leith	—	—	—	—	—	—	—	—	—	0·70	+0·35	—	—	—	—
No. 18, p. 139	Plymouth	—	—	—	—	—	—	—	—	6	0·86	+0·38	—	—	—	—
No. 19, p. 147	Southampton	—	—	—	48·7	55·8	+4·0	97	—	—	—	—	—	—	—	—
No. 19, p. 147	Manchester, Prestwich	—	—	—	43·9	51·8	+3·2	69	—	—	—	—	—	—	—	—
No. 19, p. 147	Cullompton	—	—	—	46·4	53·0	+2·2	77	—	—	—	—	—	—	—	—
No. 19, p. 147	Plymouth	—	—	55·4	—	51·1	−0·6	64	—	—	—	—	—	—	—	—
No. 20, p. 155	Hillington	—	—	60·0	—	52·2	+1·7	71	—	—	—	—	—	—	—	—
No. 20, p. 155	Cheadle	—	—	58·3	—	50·3	+1·4	58	—	—	—	—	—	—	—	—
No. 20, p. 155	Blackpool	—	—	56·6	—	50·4	+0·2	59	—	—	—	—	—	—	—	—
No. 21, p. 168	Hillington	—	—	58·8	—	49·1	−2·9	56	—	—	—	—	—	—	—	—
No. 21, p. 163	Hereford	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 22, p. 171	Stornoway	—	—	—	43·0	47·0	−2·3	35	—	—	—	—	—	—	—	—
No. 22, p. 171	Scarborough	—	—	53·9	—	48·7	−2·8	47	—	—	—	—	—	—	—	—
No. 22, p. 171	York	—	—	—	45·1	50·7	−2·8	61	—	—	—	—	—	—	—	—
No. 22, p. 171	Hillington	—	38	—	44·9	51·2	−2·5	64	—	—	—	—	23·4	—	—	—
No. 22, p. 171	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 22, p. 171	Southampton	—	—	—	49·8	56·9	+1·1	104	—	—	—	—	—	—	—	—
No. 22, p. 171	Shaftesbury	—	—	—	46·1	53·3	+0·8	79	—	—	—	—	—	—	—	—
Station Values :—Additions.														Mean Earth Temp. At 1 ft.		At 4 ft.
No. 22, p. 172	Bath	—	—	—	—	—	—	—	—	—	—	—		56·7		53·3
Station Values :—Corrections.														Temperature of the Sea.		
No. 19, p. 148	Cleggan	—	—	—	—	—	—	—	—	—	—	—				49·6

Sunday, 16th June, 1907.

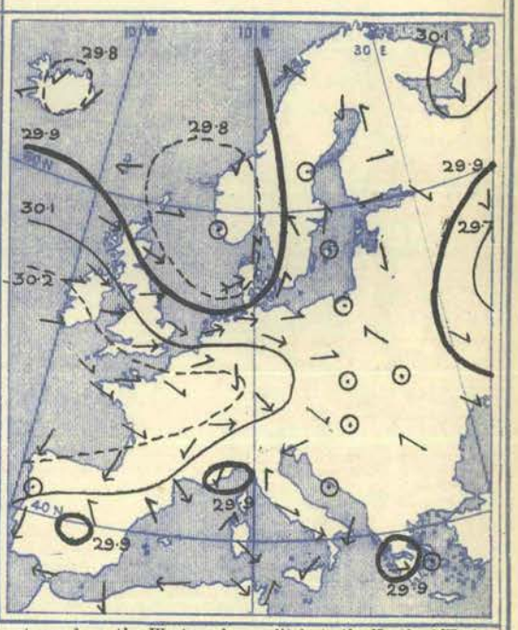
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over our area as a whole, but rainy and overcast on the eastern shores of the North Sea, foggy or rainy in Iceland, showery at Malin Head, and dull in some other localities. Some rain experienced later in Norway, Denmark, at a few German stations, and also in Italy and the south of Russia.

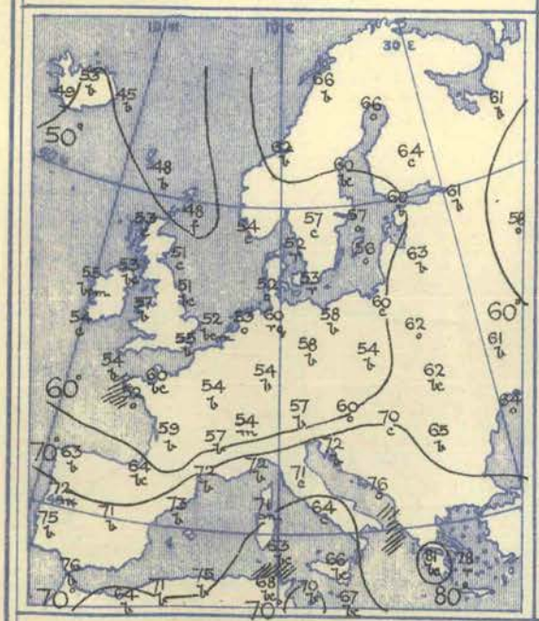
Temperature risen in Scandinavia, fallen in our Islands, the Low Countries, and France, changed little elsewhere. Readings in morning 80° or above in Greece, above 70° in many other southern districts, and about 70° in the far north of Sweden and Finland. Only a little above 50° over the major portion of these Islands, and the north and north-east of France. Rising during day to 95° at Madrid, about 90° in Greece, and to above 80° in many southern regions. Thermometer remaining below 60° at most of our own stations.

Wind in morning moderate to strong from the Westward or a little to the North of West over our Islands generally, and high at Malin Head. Light from the Southward in Denmark and from the South-Eastward in Norway. An extensive anticyclonic movement shown over the south-west of our area, and partial cyclonic circulations over the southern and eastern regions. Veering somewhat over our Islands later and becoming high from North at Wick; increasing in force from the Westward and South-Westward on the Dutch coast and in Denmark, and blowing a gale at Fanö. Little other change.

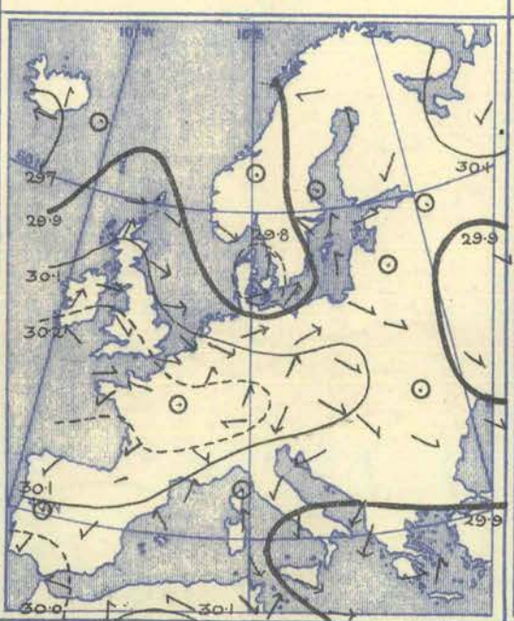
Barometer in morning above 30·2 ins. in an extensive anticyclone stretching from the east of France to beyond the Azores, and above 30.1 ins. over the White Sea, to less than 29·7 ins. in a depression to the northward and north-eastward of these Islands, and also in another system over central Russia. Below 30·0 ins. in a shallow disturbance over Italy and the Adriatic. Very little change occurring in the general distribution later, but barometer rising briskly on our north-west coasts, and gradients growing steeper over this country generally.

Monday, 17th June, 1907.

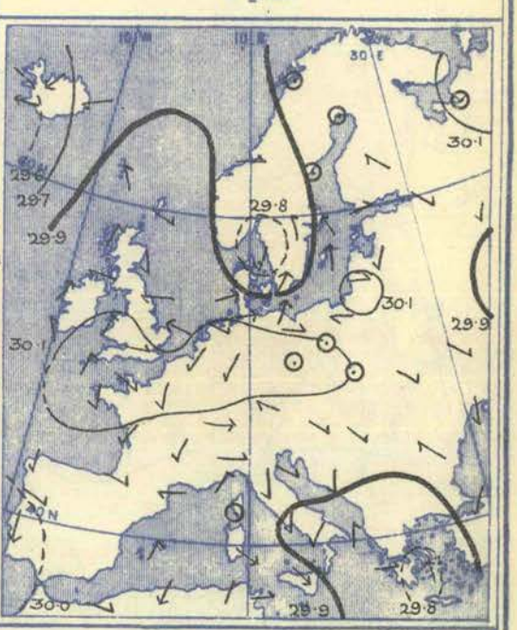
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled and rainy over Denmark and the surrounding regions, but fair or fine over our area generally. Some showers falling later at a few of our own stations and rain in Germany, the south-east of France, a few Italian localities, and also at Patras. Conditions remaining fair or fine over our area as a whole.

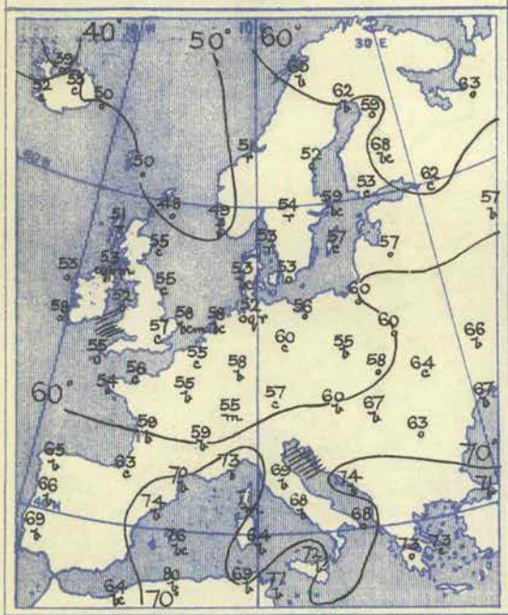
Temperature fallen over Germany and the east of France, changed irregularly elsewhere. Readings in morning above 70° at many southern stations and about 80° in Greece; nearly as high as 70° in the north of Scandinavia. Below 60° over Germany, the greater portion of France, and the whole of our Islands; only slightly above 50° at our northern and eastern stations and below that point in Shetland. Rising during day to 81° at Haparanda, to 80° or above at many stations in the far south of Europe, and to 90° in places.

Wind in morning showing a complete cyclonic circulation around Denmark and partial cyclonic movements in the east and south-east of our area. North Westerly to Westerly current fresh or strong in the north of our Islands and over the Low Countries, and high on the coast of Jutland. Wind backing towards South along our west coast during day and increasing slightly in force. Westerly current decreasing in strength in Denmark and its neighbourhood.

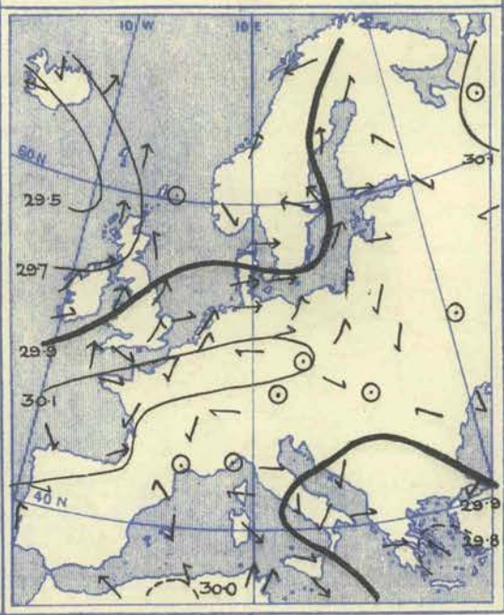
Barometer in morning above 30·2 ins. in an anticyclone extending from the Atlantic across the southern parts of these Islands and the northern half of France, and above 30·1 ins. in another high-pressure system over the White Sea and the north of Russia. Less than 29·9 ins. in a depression over the south-east of our area, and below 29·8 ins. in a well-defined system centred over Jutland. A fresh disturbance causing a fall of the mercury along our west and north-west coasts during day. Southern high-pressure system giving way somewhat.

Tuesday, 18th June, 1907.

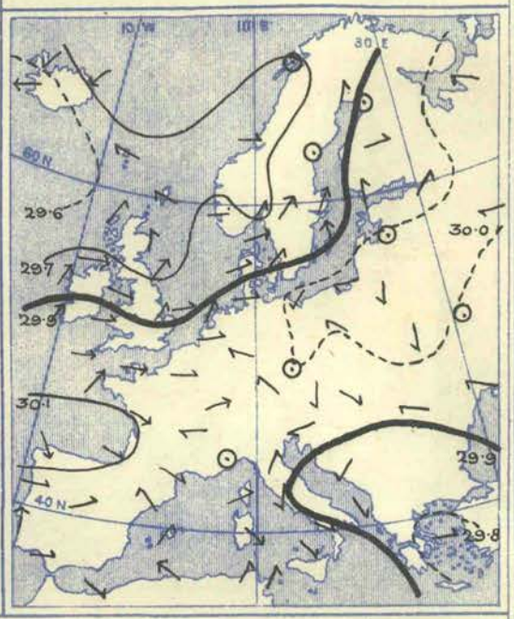
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine at nearly all stations in the south and south-east of our area; cloudy or overcast elsewhere, with rain or passing showers on our west and north-west coasts, and also in the southern half of Scandinavia and on the shores of the Gulf of Finland. Thunder heard at Leith later, and slight rain falling in many parts of our Islands; heavier amounts in the north and north-east of our area, and as much as 1·25 in. at Florence.

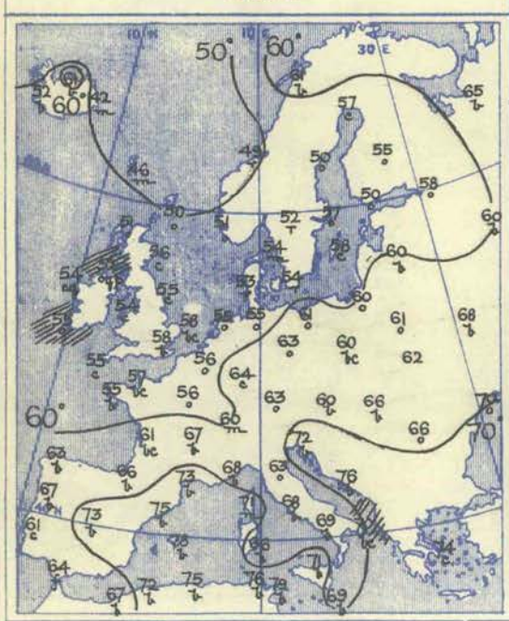
Temperature fallen in Scandinavia, showing no decided change elsewhere. Readings in morning about 55° over the greater part of the United Kingdom, above 60° in the extreme north of Europe and at all the southern stations, and as high as 77° at Tunis and 80° at Algiers. Maxima during day only about 60° in this country, but above 70° over France and central Europe, and above 80° in various localities in the south; highest readings, 91° at Sfax and 100° at Madrid.

Wind in morning light to fresh from between South-West and South over our Islands, and strong from East in the south-west of Iceland. Light cyclonic airs prevailing over the Mediterranean and the south-east of Europe, and a moderate Southerly current over the Baltic and the Gulf of Bothnia. Veering towards West over England during day, but continuing South-Westerly in the west of Ireland.

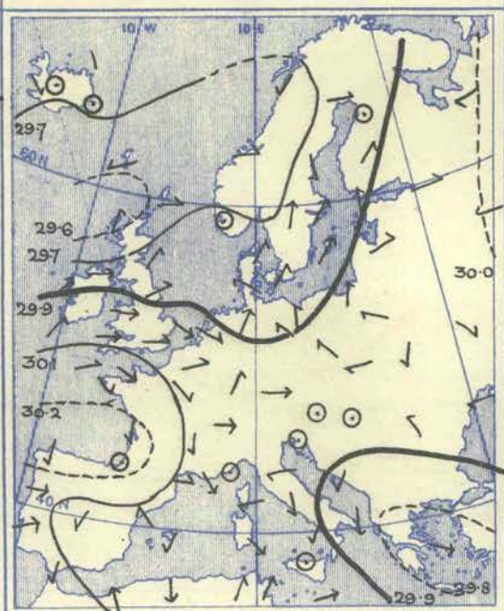
Barometer in morning above 30·1 ins. in an anticyclonic band extending from the central parts of Europe to beyond the Bay of Biscay and apparently to the Azores, and about equally high in the north of Russia. Below 29·8 ins. in Greece and in a secondary depression over the south of Scandinavia, and less than 29·5 ins. to the southward and south-westward of Iceland. An ill-defined depression passing eastward across Scotland later, and barometer rising in Iceland and Ireland. Eastern part of high pressure band giving way.

Wednesday, 19th June, 1907.

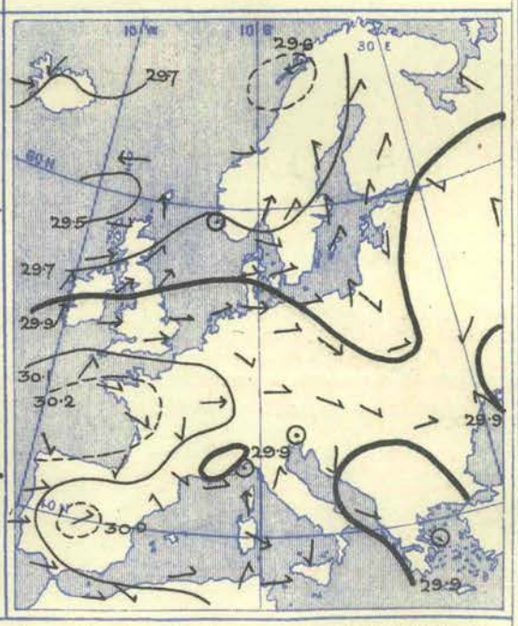
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast, with some rain, over the greater part of Scandinavia, and showery on our own extreme north-west coast. Fair or fine and bright in most other regions, but dull at some stations in central Europe. Some rain falling later over all the northern and western districts of our Islands, and also over Germany, Transylvania, and in various parts of Russia and Scandinavia.

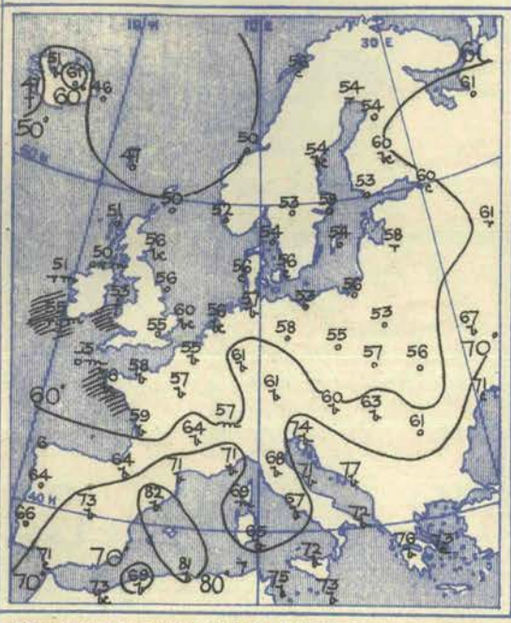
Temperature fallen over Finland and most of Scandinavia, changed little and rather irregularly elsewhere. Readings in morning above 70° over a large part of the south of our area, and nearly 80° in places. Below 60° at almost all stations north of latitude 50°, but as high as 61° at Bodö and Akureyri, and 65° at Archangel. Below 55° at several of our own stations. Maxima between 60° and 65° at most of our own stations, between 70° and 80° over the greater part of France and in the central countries, and above 80° in southern Europe and Algeria; highest readings, 97° at Algiers and 102° at Madrid.

Wind in morning cyclonic in the north and south-east of our area, anticyclonic in the south-west. Westerly current fresh or strong on our western coasts, and that from North fresh at some Italian stations. Little force elsewhere. Increasing somewhat in strength along our western coasts by evening, and becoming high at Malin Head. No general change occurring.

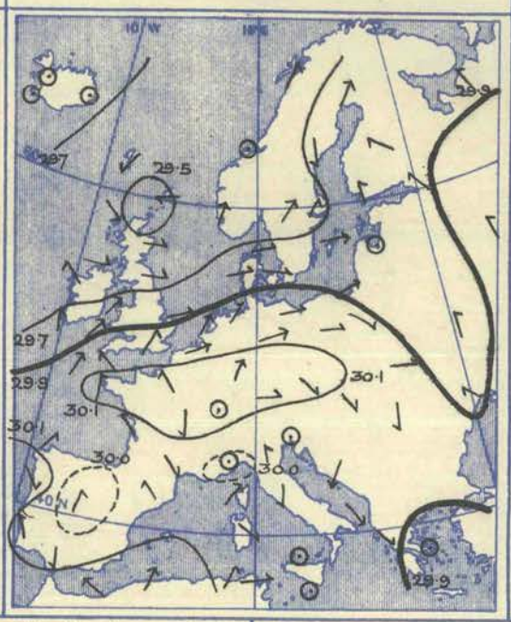
Barometer in morning above 30·2 ins. in an anticyclone having its central space between the Azores and the west coast of France; below 29·8 over Greece, and below 29·6 ins. in a depression with its minimum between the Færöe and the north of Scotland. Latter system growing deeper during day and a fresh fall of the mercury setting in on the south-west coast of Ireland. Anticyclone maintaining its position. Gradients for Westerly to South-Westerly winds increasing over the British Islands.

Thursday, 20th June, 1907.

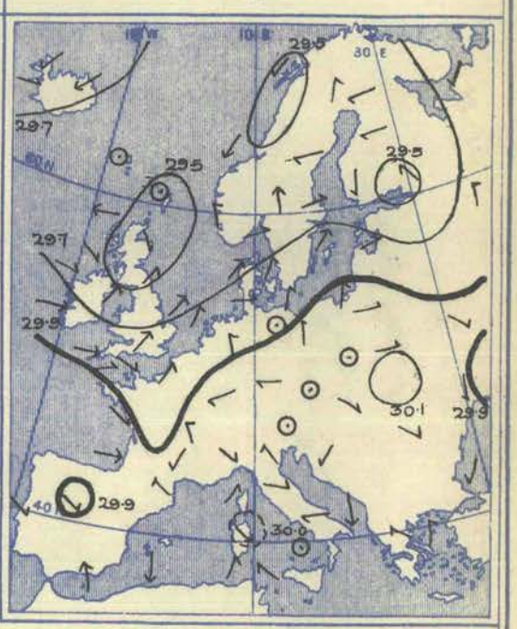
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Ireland, cloudy or overcast over these Islands generally and also over a large portion of Scandinavia; rain falling at Haparanda. Fair to fine and bright in almost all other regions. Rain experienced later at nearly all our own stations, and at most of those in Scandinavia and the northern half of Russia, as well as at Constantinople.

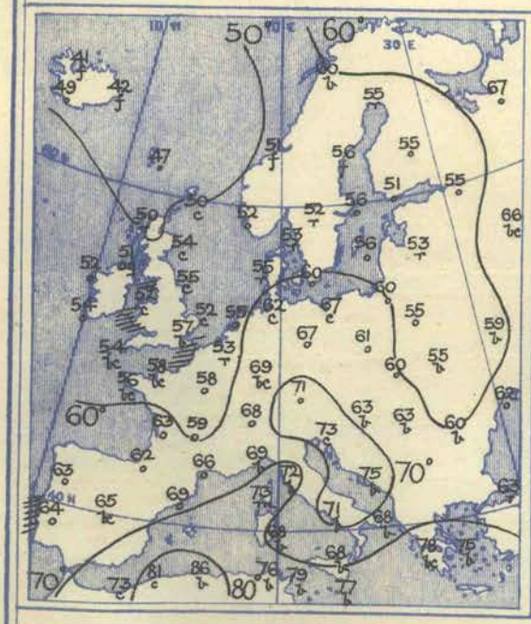
Temperature fallen over the central countries, changed little and irregularly as a whole. Readings in morning ranging from 81° at Algiers and Sfax, 82° at Barcelona, and between 70° and 80° in the south generally, to 55° or below in many parts of this country and Norway, and to 47° at Thorshavn. Rising subsequently to 70° at Yarmouth and to above 65° at some other of our stations. Maxima about 80° in several parts of France, and much above that point on various shores of the Mediterranean. Thermometer rising to 104° at Nemours and to 97° at Oran, as well as at Madrid.

Wind in morning cyclonic except over the central regions and Russia; chief circulation around Shetland and its neighbourhood. Moderate to strong from South-West over England, but South South-Westerly at Valencia and South-Easterly at Blacksod Point. A fresh breeze at Brindisi, but very light or moderate in force as a whole. Increasing in force along our western coasts during day and becoming high at Holyhead.

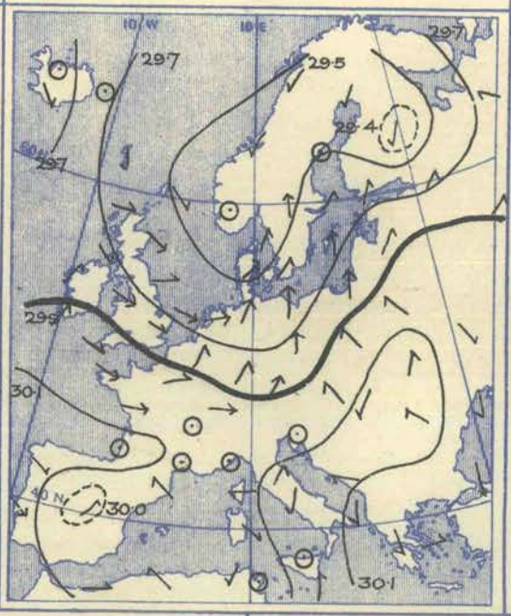
Barometer at 8 a.m. highest, above 30·1 ins., in an anticyclone extending from the north-west of France to Hungary. Lowest, 29·5 ins. and less, in a depression having its minimum off the north of Scotland, and relatively low in other systems over Spain, the Gulf of Genoa district, Greece, and the south of Sweden. A fresh disturbance travelling over the northern parts of our Islands from the Atlantic during day. Southern high-pressure system giving way, and distribution of pressure becoming irregular over France. A well-defined depression appearing over the Gulf of Finland and its vicinity.

Friday, 21st June, 1907.

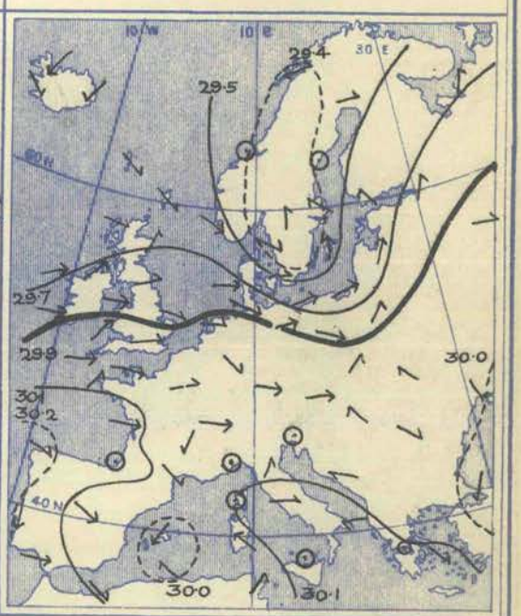
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean region and at several stations in England; cloudy or quite overcast over the major portion of our area, with rain at Lyons, Brussels, Groningen and in some Scandinavian localities. Much fog prevailing in Iceland. Rain during day at most of our own stations and in northern Europe, heavy at some stations; a thunderstorm at Skagen.

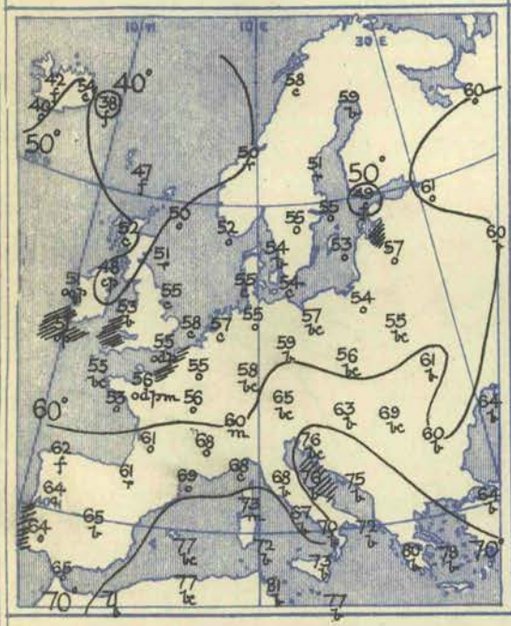
Temperature fallen in most districts, risen in Algeria and over central Europe. Readings in morning ranging from 86° at Algiers and between 75° and 80° at some other southern stations, to 55° or below in many parts of these Islands and to below 50° at Thorshavn and in Iceland. Thermometer as high as 60° at Bodö and 67° at Archangel. Rising during day to about 65° over the south-east of England, but remaining below 60° in the west and north generally. Maxima of nearly 90° at some Italian stations.

Wind in morning showing a vast cyclonic circulation around the Scandinavian region; Westerly and North-Westerly current fresh on some of our own coasts, and Southerly current strong over the Baltic. Light airs from no general direction prevailing over the Mediterranean and its vicinity, and a South-Westerly breeze along the west coast of Ireland. Some increase in the force of the wind over England during day, little change elsewhere.

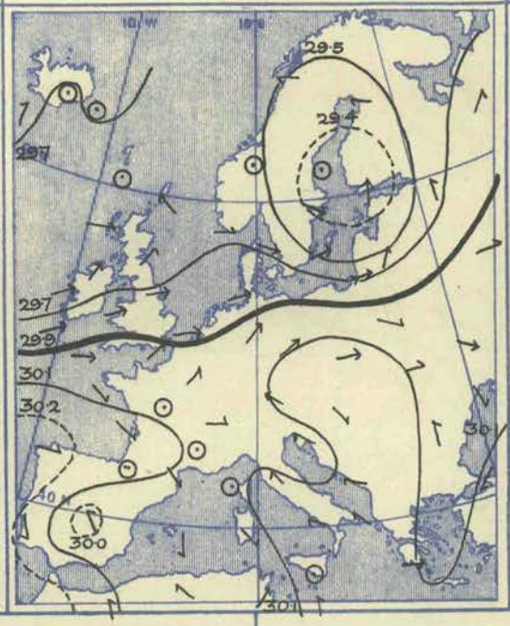
Barometer in morning above 30·1 ins. off the west of Spain and Portugal, and also in an irregularly-shaped area over south-eastern Europe; below 29·5 ins. in a very large system containing at least two minima and occupying Scandinavia, Finland, and a large portion of the North Sea and Denmark. Barometer rising during day over Great Britain, but a fresh fall setting in over Ireland.

Saturday, 22nd June, 1907.

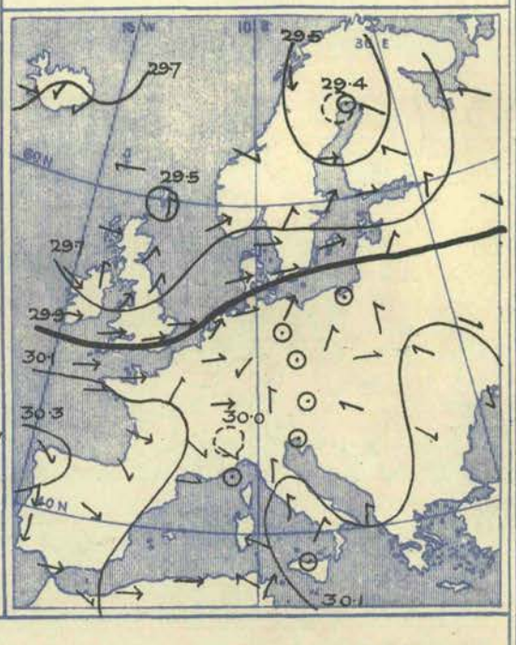
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull, with rain or passing showers in the north of Scotland and west of Ireland, fair or fine in nearly all other regions. Rain falling later, in moderate amounts, in all parts of our Islands and northern Europe; larger quantities at some stations in the south of France and at Lemberg.

Temperature fallen in Ireland and Scotland and also at most of the German stations and in Algeria. Morning readings ranging from 38° at Seydisfjord, and below 50° at many of the Scotch and Irish stations, to 60° or above over central and eastern Europe, to 70° or above at most of the Mediterranean stations, and to 80° at Patras and 81° at Tunis. Maxima during day below 60° at all our own western and northern stations, exceeding that value in our central and south-eastern districts, reaching 80° and above over southern Europe, and 90° to 95° in Algeria.

Wind at 8 a.m. South-Westerly or Westerly, light to fresh over these Islands, Southerly to Westerly, fresh to a gale over the Baltic and Gulf of Finland. Light and somewhat variable in all other parts of our area. Wind decreasing by evening over northern Europe, but increasing somewhat at some of our own western stations.

Barometer highest, 30·2 ins. and upwards, off the north-west coast of Spain, and 30·1 ins. and upwards over Austria and Hungary. Lowest, 29·4 ins. and less, in a depression over the Gulf of Bothnia and Finland; 29·6 ins. and less over Scotland and the adjacent parts of the Atlantic. Latter disturbance moving to the neighbourhood of the Shetlands by 6 p.m., that over northern Europe disappearing in the Arctic regions.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,329 / 2,500	10,000 / 3,000	Remarks.
1907.										
June 16th, 11.45 a.m. to noon.	Brighton, 380 ft.	Temperature F.	58°	50°	[42°]					One kite 50 sq. ft.; 5,000 ft. wire. Max. height, 3,100 ft. Cu. not reached. Convection currents. Unsteady wind near ground.
		Humidity	60%	60%	[65%]					
		Wind Velocity, m. per hr.	W by N, †25	W by N, 22	[WNW, 25]					
June 19th, 9.45 a.m. to 12.40 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	50°	43°	36°				Two kites 110 sq. ft.; 9,000 ft. wire. Max. height, 5,900 ft. Inversion of 7° at 5,000 ft. Humidity, 36 %. Wind 35 miles per hour. Overcast. Cloud level 4,500 ft.
		Humidity	75%	85%	90%	100%				
		Wind Velocity, m. per hr.	W by S, 13	W, 23	W by S. 25	W by S, 25				
June 19th, 11.55 a.m. to 12.14 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Assumed ascensional velocity confirmed by observations with two theodolites.
		Humidity								
		Wind Velocity, m. per hr.	W ½ S, 16	W ½ S, 17	W by S, 24	W ½ N, 24	W by N ½ N, 25	W by N ½ N, 40	[W by N ½ N, 40]	
June 19th, 12.56 p.m. to 1.25 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	59°	51°						One kite, 52 sq. ft.; about 2,800 ft. wire. Max. height, 2,400 ft. Temp. 46°. Cu. clouds; convection currents.
		Humidity	70% ?	88% ?						
		Wind Velocity, m. per hr.	—, 20	—, 25						
June 20th, 10.27 a.m. to 12.47 p.m.	Brighton, 380 ft.	Temperature F.	57°	52°	57°					One kite, 77 sq. ft.; 4,500 ft. wire. Max. height, 3,400 ft. Inversion 3° at 2,300 ft. Lowest temp. 50°. Scud at 1,000 ft. A.-Cu. and clear sky above.
		Humidity	90%	100%	50%					
		Wind Velocity, m. per hr.	WSW, †20	—, 25	W by S, 35					
June 20th, 11.20 a.m. to noon.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	59°	49°	50°					One kite 77 sq. ft.; 3,500 ft. wire. Max. height, 3,500 ft. Inversion of 3° at 3,300 ft. Overcast. Cloud level, 1,800 ft. Wind estimated from pull about 45 miles per hour.
		Humidity	85%	100%	80%					
		Wind Velocity, m. per hr.	SSW, 16	SW, 25	SW by W, —					
June 20th, 6.41 p.m. to 6.56 p.m.	Ditcham Park, Petersfield. 550 ft.	Temperature F. . ..								* Ci.-Cu. and A.-Cu. from about SW by W; moving through zenith at rate of over 20° per minute.
		Humidity								
		Wind Velocity, m. per hr.	SW, 10	SW by W ½ W, 37	SW by W, 46	SW by W ½ W, 49	SW by W, 56			
June 21st, 9.40 a.m. to 11.12 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	57°	51°	43°	[37°]				Two kites 110 sq. ft.; 7,000 ft. wire. Max. height, 4,300 ft. Cloudy, with clear intervals.
		Humidity	70%	83%	85%	[80%]				
		Wind Velocity, m. per hr.	W, 16	W by N, 30	W by N, 30	[WNW, 30]				
June 21st, 11.15 a.m. to 11.41 a.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	61°	53°						One kite, 77 sq. ft.; about 3,000 ft. wire. Max. height, 2,700 ft. Temp. 47°. Wind very fitful. Cu. clouds not reached; convection currents.
		Humidty	64%	64%						
		Wind Velocity, m per hr.	W, 25	—						
June 22nd, 10.0 a.m. to noon.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	51°	43°	[35°]				Two kites 154 sq. ft.; 7,000 ft. wire. Max. height, 4,600 ft. Detached clouds with very irregular wind. Clouds not reached. Unusual backing of the wind above.
		Humidity	70%	80%	90%	[95%]				
		Wind Velocity, m. per hr.	W by S, 15	SW by W, 25	WSW, 25	[WSW, 28]				
June 22nd, 10.52 a.m. to 1.40 p.m.	Brighton, 380 ft.	Temperature F.	58°	53°	45°					Two kites 74 ft.; 5,500 ft. wire. Max. height, 3,600 ft. Dull with heavy scud at 10.30 a.m. to cloudless at 2 p.m.
		Humidity	90%	80%	70%					
		Wind Velocity, m. per hr.	W by S, †25	25, —	W, 30					
June 22nd, 2.55 p.m. to 3.32 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	58°	48°	[42°]					One kite, 52 sq. ft.; 4,100 feet wire. Max. height, 3,000 ft. Wind very strong and gusty. Clear overhead, cu. to NW.
		Humidity	71%	85%	[90%]					
		Wind Velocity, m. per hr.	SW, 38	SW, 30	[SW ½ W, 26]					
June 22nd, 3.8 p.m. to 4.33 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	56°	51°	41°	34°				One kite, 77 sq. ft.; 6,170 ft. of wire.
		Humidity	71%	78%	81%	89%				
		Wind Velocity, m. per hr.	SW, —	SW, 29	SW by W, 30	SW, 32				

* Pilot balloon; uniform † Estimated ascensional velocity of 500 ft. per minute assumed.

63, Victoria Street, London, S.W. *June 26th, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 26. TWENTY-SIXTH WEEK, ENDING SATURDAY, JUNE 29TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was again cold and unseasonable, with a generally cloudy sky and frequent falls of rain. A thunderstorm, with heavy hail, occurred on Monday at Dublin, and on Saturday thunderstorms (locally of great severity) were experienced in many parts of England and at some Scottish stations. Snow was observed at Harrogate during Monday evening, while the electrical disturbances of Saturday were accompanied by hail in several places.

Temperature continued below the average, the deficit ranging from about 3°·5 in England E. and the English Channel to about 6°·5 in England N.W., Ireland N., and Scotland E. The highest of the maxima were recorded, as a rule, between Wednesday and Friday, and ranged from 70° in the Midland Counties to 63° in Scotland E. and Ireland N. The maxima were below 60° on one or more days at nearly every reporting station. The lowest of the minima, which were registered on rather irregular dates, ranged from 32° in Scotland E. (at Balmoral) to 40° in England E., and to 47° in the English Channel. The grass thermometer fell to 32° or below in some Scottish localities and also at Llangammarch Wells, Armagh, and Birmingham, the lowest reading being 27° at Balmoral.

Mean Temperature of the Sea.—The mean temperature showed an increase on most parts of the coast, but at several of the Irish stations there was a decrease. The actual values ranged from about 58° at Margate and Eastbourne and 56° at Newquay to about 51° on the east coast of Scotland, 49°·4 at Lamlash and Burnmouth, and to 49°·1 at Lerwick.

Rainfall was above the average in all districts except the English Channel, the excess being large in many parts of the Kingdom. As much as 1·37 in. resulted from the thunderstorm of Saturday at Fulbeck, and an inch or more was also measured in some parts of the Metropolitan area. Early in the week some heavy falls were experienced in the north-west; at Prestwich on Monday as much as 1·01 in. was collected in the gauge.

Bright Sunshine was less than the average generally, but slightly exceeded it in England N.E. and Scotland E. The percentage of the possible duration ranged from 37 or 36 in the districts just named to 24 in England S.W., 23 in the Channel Islands, and to 22 in England S.

Barometer and Wind.—Depressions from the Atlantic continued to arrive over these Islands, and although their centres moved over our most northern districts, all parts of the Kingdom came under their influence. The general direction of the wind was between South-West and West; but it was occasionally from a point further south. It often blew freshly or strongly in the southern and south-western districts, and reached gale force at Portland Bill and Pembroke during Monday evening. By the end of the period the series of Atlantic cyclones had come to an end, and the wind had become light and rather variable, while a small thunderstorm depression was developed over the southern counties of England.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 204.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Very scanty	Moderate	Moderate	Very scanty	Moderate	Scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 4 weeks from June 2nd.	Warmth ...	1 * 3	0 * 3	1 * 3	1 * 2	0 * 3	0 * 3	0 * 3	0 * 3	0 * 4	0 * 3	0 * 3	0 * 3
	Rainfall ...	4 * 0	2 * 0	2 * 0	1 * 1	1 * 0	2 * 1	3 * 0	4 * 0	3 * 0	3 * 0	2 * 0	1 * 1
	Sunshine ...	0 * 3	0 * 2	0 * 1	0 * 2	0 * 2	1 * 2	0 * 3	0 * 2	0 * 3	0 * 2	0 * 4	0 * 3

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

6207/370 Wy. & S., Ltd. 6—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (26th)—June 23rd to 29th, 1907.

DISTRICTS. (See p. 203.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	64	35	56·1	43·0	49·1	− 4·9	50	− 34	0	0	6	+ 2	1·36	+0·68	33	0	27	0
Eastern																		
1. SCOTLAND, EAST	63	32	58·4	41·9	49·6	− 6·6	54	− 45	0	0	5	+ 2	0·63	+0·11	44	+ 2	36	+ 2
2. ENGLAND, N.E.	68	38	61·9	46·3	53·6	− 4·0	81	− 28	0	0	4	+ 2	0·65	+0·21	43	+ 2	37	+ 2
3. ENGLAND, EAST	68	40	63·2	49·9	56·1	− 3·5	99	− 24	0	0	4	+ 2	0·55	+0·17	32	− 20	28	−17
4. MIDLAND COUNTIES	70	37	61·5	46·6	53·6	− 5·6	81	− 40	0	0	5	+ 2	0·53	+0·05	36	− 10	31	− 9
5. ENGLAND, SOUTH	68	37	61·7	50·5	55·7	− 4·5	96	− 31	0	0	5	+ 2	0·54	+0·17	25	− 28	22	−24
Western																		
6. SCOTLAND, WEST	68	38	58·5	44·2	50·9	− 6·0	62	− 42	0	0	6	+ 3	0·91	+0·18	39	− 3	33	− 3
7. ENGLAND, N.W.	65	38	58·4	45·9	51·7	− 6·5	68	− 46	0	0	6	+ 2	0·94	+0·35	38	− 7	32	− 6
8. ENGLAND, S.W...	66	39	59·1	48·0	53·2	− 5·6	78	− 40	0	0	6	+ 4	0·95	+0·44	27	− 25	24	−22
9. IRELAND, NORTH	63	38	56·7	45·4	50·7	− 6·4	61	− 45	0	0	6	+ 2	0·90	+0·26	31	− 4	26	− 4
10. IRELAND, SOUTH	67	37	59·0	46·9	52·5	− 6·0	71	− 44	0	0	6	+ 3	0·69	+0·09	29	− 10	25	− 9
11. ENGLISH CHANNEL	66	47	60·3	52·5	56·1	− 3·7	99	− 25	0	0	5	+ 2	0·30	−0·10	26	− 33	23	−30

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 4 Weeks, June 2nd to 29th, 1907.

0. SCOTLAND, NORTH	71	33	*	*	*	*	218	−72	1	+ 1	24	+ 9	4·42	+1·99	105	− 44	21	− 9
Eastern																		
1. SCOTLAND, EAST	70	32	*	*	*	*	253	− 91	0	0	21	+ 9	3·18	+1·30	130	− 37	27	− 8
2. ENGLAND, N.E...	75	35	*	*	*	*	342	− 32	0	0	19	+ 8	2·56	+0·85	149	− 11	32	− 2
3. ENGLAND, EAST	75	40	*	*	*	*	395	− 31	0	0	15	+ 4	1·53	−0·32	152	− 40	33	− 9
4. MIDLAND COUNTIES.. ..	75	37	*	*	*	*	341	− 83	0	0	21	+10	2·35	+0·45	144	− 30	31	− 7
5. ENGLAND, SOUTH	73	37	*	*	*	*	376	− 75	0	0	15	+ 4	1·72	−0·02	163	− 34	36	− 7
Western																		
6. SCOTLAND, WEST	76	36	*	*	*	*	276	− 94	0	0	25	+12	5·21	+2·34	100	− 78	21	−16
7. ENGLAND, N.W...	75	38	*	*	*	*	314	− 90	0	0	25	+12	4·92	+2·84	120	− 63	26	−13
8. ENGLAND, SW	75	39	*	*	*	*	324	−102	0	0	23	+11	3·54	+1·45	128	− 77	28	−17
9. IRELAND, NORTH	65	37	*	*	*	*	274	−102	0	0	25	+10	4·44	+1·98	110	− 47	23	−10
10. IRELAND, SOUTH	69	37	*	*	*	*	332	− 86	0	0	23	+10	3·44	+1·10	116	− 57	25	−12
11. ENGLISH CHANNEL	69	46	*	*	*	*	387	− 61	0	0	18	+ 5	1·29	−0·37	164	− 64	37	−14

THE YEAR.—Aggregates, &c., for the period of 26 Weeks, December 30th, 1906, to June 29th, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	621	− 99	522	− 21	136	+17	27·64	+6·10	608	− 48	26	− 2
Eastern																		
1. SCOTLAND, EAST	70	5	*	*	*	*	717	−161	599	+ 11	101	+ 5	13·71	+1·12	723	− 7	32	0
2. ENGLAND, N.E.	82	15	*	*	*	*	936	+ 10	501	+ 26	97	+ 9	11·36	+1·17	806	+100	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	1054	− 63	518	− 3	92	+ 6	10·23	−0·04	836	+ 9	37	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1026	−117	540	+ 7	95	+10	11·50	−0·08	735	− 6	32	0
5. ENGLAND, SOUTH	76	16	*	*	*	*	1092	−126	434	+ 53	85	+ 3	10·91	−0·44	854	+ 27	38	+ 1
Western																		
6. SCOTLAND, WEST	76	16	*	*	*	*	844	−114	404	− 6	115	+13	24·82	+3·92	650	−101	28	− 4
7. ENGLAND, N.W.	76	15	*	*	*	*	910	−118	418	+ 32	111	+17	16·77	+2·41	723	− 36	32	− 2
8. ENGLAND, S.W...	76	5	*	*	*	*	989	−202	396	+ 95	110	+18	16·98	+0·78	771	−106	34	− 5
9. IRELAND, NORTH	70	16	*	*	*	*	862	−174	292	− 53	127	+17	20·62	+4·18	639	− 79	28	− 3
10. IRELAND, SOUTH	73	11	*	*	*	*	1104	−133	256	− 3	121	+22	15·83	−2·05	707	− 87	31	− 4
11. ENGLISH CHANNEL .. .	70	21	*	*	*	*	1233	−134	96	− 13	97	− 3	11·63	−1·95	875	−117	39	− 5

June 23-29, 1907.			Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	56	42	53·3	45·6	49·2	− 1·5	50	0	4	0·54	+ 0·07	45·5	+ 11·3	36	+ 9
		Stornoway	58	45	55·1	46·1	50·3	− 3·3	58	0	7	0·92	+ 0·32	36·5	− 5·0	29	− 4
	Mainland.	Wick	62	39	59·3	42·9	50·5	− 2·7	60	0	6	0·98	+ 0·52	*	*	*	*
		†Lairg (Strathpeffer)	64	35	58·9	39·4	48·5	− 5·5	56	7	7	1·07	+ 0·46	31·8	− 3·6	26	− 3
		Glencarron	58	37	54·2	41·8	47·6	− 6·6	40	1	7	2·42	+ 1·40	*	*	*	*
		Fort Augustus	61	37	56·9	42·5	49·2	− 6·6	50	0	6	1·26	+ 0·76	18·5	− 11·3	15	− 9
		Fort William	59	38	55·3	43·0	48·7	− 7·2	47	0	6	2·30	+ 1·34	*	*	*	*
1. SCOTLAND, E.		Nairn	62	38	59·3	42·6	50·4	− 5·3	59	0							
		Aberdeen	62	41	59·0	43·6	50·8	− 4·5	62	0	5	0·88	+ 0·40	46·8	—	38	—
		†Balmoral (Crathes)	58	32	54·9	37·6	45·7	− 7·8	44	12	4	0·66	+ 0·17	50·0	+ 8·2	41	+ 7
		†Crieff (Balruddery)	63	39	58·9	41·6	49·7	− 7·4	56	1	5	0·54	− 0·03	35·8	—	29	—
		†Leith (Edinburgh)	62	42	59·9	45·7	52·3	− 5·0	72	0	4	0·77	+ 0·07	36·5	—	30	—
		Marchmont (Saltburn)	61	37	58·1	40·3	48·6	− 6·5	53	5	5	0·34	− 0·16	44·4	+ 10·1	37	+ 8
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	65	40	62·1	43·8	52·3	− 3·3	72	0	5	0·59	− 0·05	49·8	+ 7·2	42	+ 6
		†Shields (Newcastle)	65	39	61·4	44·7	52·5	− 4·8	74	0				36·1	—	30	—
		Durham	63	38	59·5	43·5	50·9	− 6·1	62	0	4	0·13	− 0·39	41·6	—	35	—
		Scarborough	64	45	62·1	47·6	54·4	− 2·7	87	0	5	0·27	− 0·39	35·2	+ 2·0	30	+ 2
		York	66	43	61·9	46·8	53·8	− 4·6	83	0	3	0·27	− 0·25	41·6	+ 1·1	35	+ 1
	Southern part.	Spurn Head	66	47	61·3	50·3	55·4	− 2·1	94	0	5	1·34	− 0·26	42·4	—	36	—
		†Lincoln (Skegness)	68	42	63·6	46·3	54·4	− 5·4	87	0	5	1·34	+ 0·81	23·8	− 17·9	20	− 15
		†Fulbeck (Rauceby)	67	42	63·2	47·6	54·9	− 4·2	90	0	3	0·53	+ 0·16	42·1	*	*	*
3. ENGLAND, E	Northern part.	Hillington	68	41	64·0	47·4	55·1	− 3·7	92	0	5	0·76	+ 0·26	55·5	—	47	—
		†Yarmouth (Lowestoft)	68	46	62·7	51·1	56·5	− 1·8	102	0	5	1·83	+ 1·34	56·1	—	48	—
		Geldeston	68	44	63·9	49·4	56·2	− 2·4	99	0							
	Southern part.	Cambridge	67	40	64·0	49·0	56·0	− 3·8	98	0	4	0·61	+ 0·15	28·4	− 19·5	25	− 17
		Felixstowe	68	46	62·2	51·3	56·4	− 2·9	101	0	5	1·16	+ 0·64	44·0	—	38	—
		Clacton-on-Sea	65	47	62·0	50·9	56·1	− 4·1	99	0	3	0·30	—	20·6	− 17·0	26	− 15
		Rothamsted	66	40	62·6	47·9	54·7	− 3·9	89	0	3	0·27	—	30·9	—	27	—
		Shoeburyness	68	47	63·9	51·3	57·2	− 3·7	106	0	6	0·77	+ 0·22	29·9	—	26	—
		London, Westminster (Dunmow)	67	46	63·3	50·9	56·7	− 4·3	103	0	3	0·41	− 0·02	30·2	− 15·5	26	− 13
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	62	38	59·6	44·3	51·4	− 5·2	66	0	4	0·60	+ 0·08	*	*	*	*
		†Bawtry (Worksop)	70	39	63·9	46·7	54·7	− 4·1	89	0	7	0·51	− 0·08	20·8	− 19·1	18	− 17
		Nottingham	68	39	63·4	47·1	54·7	− 4·4	89	0	4	0·52	+ 0·02	27·6	—	24	—
		Birmingham, Edgbaston	65	44	60·5	46·7	53·1	− 5·4	78	0	5	0·56	+ 0·02	40·2	—	34	—
		Oxford	66	44	62·4	49·1	55·3	− 4·3	93	0	4	0·47	− 0·11	38·2	− 0·4	33	0
	Western part.	†Cheadle (Sheffield)	64	42	58·9	44·6	51·3	− 5·5	65	0	3	0·77	+ 0·10	30·3	—	30	—
		Shrewsbury	68	40	62·2	46·3	53·7	− 5·5	82	0	5	0·39	—	30·0	− 15·6	26	− 14
		Hereford	65	37	62·2	46·5	53·8	− 5·5	83	0	6	0·40	− 0·14	*	*	*	*
		Cirencester	64	38	60·6	45·9	52·7	− 5·3	75	0	5	0·48	− 0·10	33·0	− 12·2	29	− 11
		Bath (Margate)	64	43	61·3	49·1	54·8	− 5·4	90	0	6	0·91	+ 0·35	31·9	—	28	—
5. ENGLAND, S.		Kew	68	47	63·9	51·0	57·0	− 3·0	105	0				29·1	− 14·0	25	− 12
		Wisley, Surrey	67	43	65·2	50·0	57·1	− 3·0	106	0	6	1·00	+ 0·46	24·6	− 21·0	21	− 18
		†Swarraton (Ventnor)	67	37	62·2	48·3	54·8	− 3·1	90	0	6	0·46	—	28·2	—	25	—
		Tunbridge Wells	64	44	61·1	48·5	54·4	− 4·6	87	0	5	0·62	+ 0·08	21·6	− 24·2	19	− 21
		†Dungeness (Littlestone)	64	47	60·6	52·3	56·2	− 2·9	99	0	5	0·57	+ 0·04	20·7	− 26·2	18	− 23
		Hastings	64	49	60·0	51·4	55·4	− 3·7	94	0	3	0·49	+ 0·13	22·4	—	20	—
		Southampton	68	46	64·2	51·3	57·3	− 3·5	107	0	5	0·53	+ 0·08	18·6	− 34·3	16	− 31
		†Portland Bill (Worthing) (Eastbourne)	57	50	56·1	51·4	53·8	− 5·2	81	0	5	0·38	− 0·14	25·6	− 23·6	23	− 21
6. SCOTLAND, W.		†Laudale (Oban)	61	39	57·4	43·7	50·1	− 6·2	57	0	3	0·25	—	23·2	—	20	—
		Glasgow	62	41	57·4	45·0	50·8	− 5·6	62	0				28·7	− 23·9	25	− 21
		Dumfries	68	39	61·4	44·4	52·3	− 5·2	72	0	6	1·71	+ 0·70	36·6	—	30	—
		Cally	65	38	58·9	42·5	50·1	− 6·2	57	0	6	0·49	− 0·21	40·4	+ 3·5	33	+ 3
		Douglas, Isle of Man	60	41	57·4	45·6	51·1	− 5·0	64	0	7	0·67	0·00	*	*	*	*
											6	0·86	+ 0·09	*	*	*	*
7.	ENGLAND, N.W.	Aspatria	62	38	57·3	44·4	50·4	− 5·7	59	0	5	0·84	+ 0·20	40·3	− 9·5	34	− 8
		Newton Rigg	62	38	58·3	42·7	50·0	− 5·7	56	0				41·4	—	35	—
		Stonyhurst	60	41	57·3	44·8	50·6	− 6·5	60	0	5	0·79	+ 0·11	38·9	− 7·7	33	− 7
		Blackpool	60	43	57·3	47·4	52·0	− 5·9	70	0	5	0·82	+ 0·27	35·2	− 9·4	30	− 8
		Manchester, Prestwich	63	39	59·3	43·5	50·9	− 6·5	62	0	6	1·86	+ 1·05	50·1	+ 4·7	43	+ 4
		†Liverpool Obs. (Hoylake)	64	45	58·9	47·3	52·7	− 5·7	75	0	6	0·91	+ 0·36	29·0	− 9·8	25	− 8
		†Hawarden Bridge (Southport)	64	43	60·4	47·6	53·6	− 5·1	81	0	5	1·49	+ 0·75				
	NORTH WALES	Llandudno	65	45	59·0	47·9	53·1	− 5·5	78	0	5	0·59	+ 0·05				
		†Holyhead (Aberdovey)	60	44	57·6	46·9	51·9	− 5·3	69	0	6	0·44	− 0·03	48·0	+ 1·0	41	+ 1
		Bettws-y-Coed	61	42	59·0	46·3	52·2	− 6·6	71	0	6	0·67	+ 0·17	42·6	− 3·6	56	− 3
8.	SOUTH WALES	Llangammarch Wells	60	40	57·3	44·6	50·5	− 6·7	60	0	5	0·72	+ 0·18	27·0	—	23	—
		Pembroke	56	48	55·1	49·0	51·8	− 5·2	69	0	6	1·10	—	37·0	—	32	—
		†Cardiff (Aberystwyth)	61	39	59·5	47·1	52·9	− 6·7	76	0	7	0·99	—	24·3	—	21	—
	ENGLAND S.W.	Clifton	62	47	60·3	49·4	54·5	− 5·6	88	0	5	1·91	+ 1·25	35·3	− 16·2	31	− 14
		†Shaftesbury (Marlborough)	66	44	61·0	47·2	53·6	− 3·9	81	0	5	1·14	+ 0·54	27·0	—	23	—
		†Arlington (Newquay)	61	41	56·4	45·9	50·8	− 6·2	62	0	6	0·54	− 0·03	31·4	—	27	—
		Cullompton	66	40	62·8	47·9	54·8	− 4·3	90	0	5	1·72	+ 0·92	22·0	− 20·1	19	− 18
		Plymouth	62	45	59·3	50·3	54·5	− 5·2	88	0	7	0·79	+ 0·19	27·8	− 22·3	25	− 20
		Falmouth (Torquay)	62	48	60·1	50·5	55·0	− 3·7	91	0	6	0·40	− 0·17	21·6	− 23·2	19	− 20
9. IRELAND, N.	Western part.	Malin Head	59	40	54·4	45·7	49·8	− 5·7	55	0	7	0·65	+ 0·03	27·4	− 20·6	24	− 18
		Edenfel									6	0·65	+ 0·12	21·4	− 30·3	19	− 27
		Blacksod Point	56	45	55·1	47·0	50·8	− 6·2	62	0				26·8	− 26·9	24	− 24
		Markree Castle	61	40	57·1	45·1	50·7	− 5·3	61	0	5	0·79	+ 0·16	*	*	*	*
	Eastern part.	Armagh	62	38	58·7	44·3	51·0	− 5·9	63	0	7	1·18	+ 0·44	*	*	*	*
		Donaghadee	63	41	58·0	45·1	51·1	− 5·2	64	0	7	0·86	+ 0·23	29·6	− 7·0	25	− 6
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park)	65	43	60·8	47·2	53·5	− 5·4	81	0	7	1·00	+ 0·40	32·6	− 5·8	28	− 5
		Kilkenny	64	37	59·3	45·0	51·7	− 6·2	68	0				*	*	*	*
		Waterford	67	42	61·0	46·3	53·1	− 5·3	78	0	7	0·53	+ 0·03	29·7	− 14·8	25	− 13
	Western part.	Birr Castle	61	41	57·6	45·7	51·2	− 6·4	64	0	7	0·67	+ 0·07	*	*	*	*
		Foynes									4	0·37	− 0·31	*	*	*	*
		Killarney	63	42	60·0	47·4	53·3	− 4·2	79	0							
		Valencia	58	44	56·3	49·1	52·5	− 5·2	74	0	7	0·68	+ 0·05	26·6	− 11·1	23	− 10
		†Roches Point (Ballinacurra)	61	42	57·9	47·7	52·4	− 6·1	73	0	7	0·83	+ 0·15	*	*	*	*
11. ENGLISH CHANNEL		Scilly, St. Mary's	60	52	58·9	53·1	55·8	− 2·7	97	0	7	1·16	+ 0·31	*	*	*	*
		†Jersey, St. Aubins (St. Heliers)	66	47	61·6	52·4	56·7	− 3·4	103	0	6	0·57	− 0·17	30·2	− 12·1	26	− 11
		Guernsey	64	49	60·4	52·0	55·9	− 3·0	97		5	0·14	− 0·34	29·4	—	26	—
											4	0·20	− 0·30	32·2	− 23·6	29	− 21
											6	0·25	− 0·26	20·3	− 36·2	18	− 32
														24·7	− 32·4	22	− 29

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 29·1 hrs., 26 % ; Brighton, 20·3 hrs. (− 31·5), 18 % (− 28 %) ; Bournemouth, 31·8 hrs., 23 % ; Bognor, hrs., % ; Rhyl, 46·1 hrs., 39 % ; Tenby, 36·1 hrs. (− 16·5), 31 % (− 14 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	49·5
	Crathes	1	29	53·6	51·1
	Balmoral	3	27	—	—
	Marchmont ..	—	—	52·9	—
2.	Cockle Park	0	35	52·1	50·7
	York	—	—	54·2	52·0
	Hull	0	36	56·1	52·0
	Lincoln	—	—	56·9	53·1
3.	Lowestoft	—	—	58·7	55·2
	Cambridge	0	35	58·3	55·9
	Dunmow	0	37	—	—
	Clacton-on-Sea ..	0	40	56·8	56·1
4.	Harrogate	0	34	52·7	51·4
	Sheffield	0	38	55·3	51·0
	— — ..				
	Birmingham	0	31	51·6	49·6
	Nottingham	0	39	55·5	53·6
	— — ..				
5.	Kew	0	36	57·3	54·7
	Canterbury	0	44	58·6	56·2
	Portsmouth	0	41	59·4	57·2
	Wisley	—	—	57·3	55·2
6.	— — ..				
	Glasgow	0	32	—	—
	— — ..				
7.	Newton Rigg ..	0	34	55·0	51·2
	Southport	0	36	60·0	57·4
	Manchester City ..	0	38	54·9	53·5
	Bettws-y-Coed ..	0	41	52·4	51·0
	— — ..				
8.	Llangammarch Wells	1	29	53·3	51·6
	Bath	—	—	58·0	56·4
	Plymouth	0	41	57·8	—
	— — ..				
9.	Armagh	0	32	55·5	53·4
	Markree Castle ..	0	34	—	—
10.	Dublin, Trin. Coll. ..	0	37	55·5	53·8
11.	Guernsey, Brooklyn	0	43	58·9	56·9

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	48	49·1
	Kirkwall	53	51	52·2
	Wick	51	50	50·8
SCOTLAND, E.	Cromarty	51	50	50·7
	Pennan Bay	52	50	51·2
	Aberdeen, Cove Bay ..	51	50	51·0
ENGLAND, N.E.	Burnmouth, Berwick ..	54	47	49·4
	Scarborough	56	49	52·2
ENGLAND, E.	Shipwash Lightship ..	57	55	56·4
	Margate	60	56	57·9
ENGLAND, S.E.	Eastbourne‡	59	57	58·0
SCOTLAND, W.	Lamlash	50	49	49·4
	Ballantrae	52	50	50·9
ENGLAND, N.W.	Port Erin	54	52	52·6
ENGLAND, S.W.	Newquay	56	56	56·0
	Plymouth‡	56	54	54·6
	Salcombe	54	53	54·0
IRELAND, N.W.	Sheephaven	56	54	54·7
	Ballyglass	59	50	53·9
IRELAND, S.W.	Cleggan	56	52	53·9
	Seafield	58	53	55·0
IRELAND E.	Kingstown‡	54	53	53·4

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

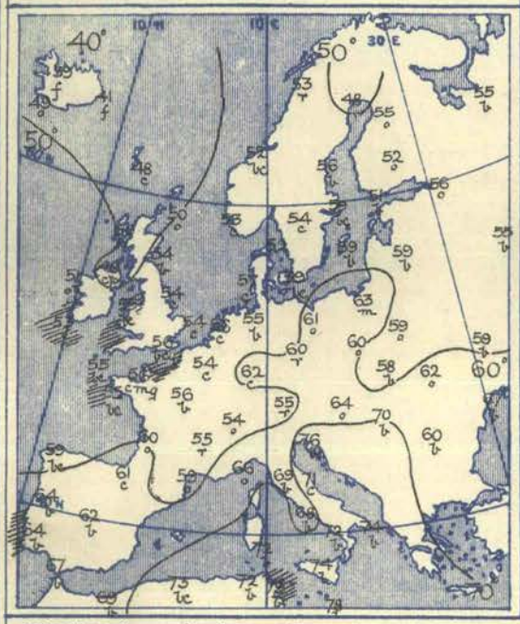
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

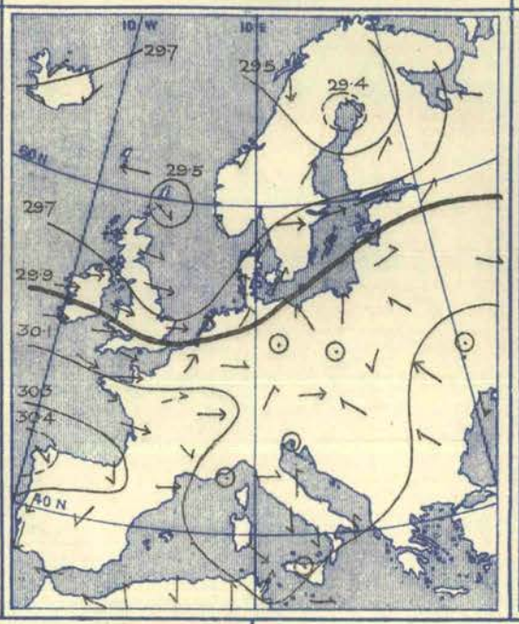
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 23rd June, 1907.

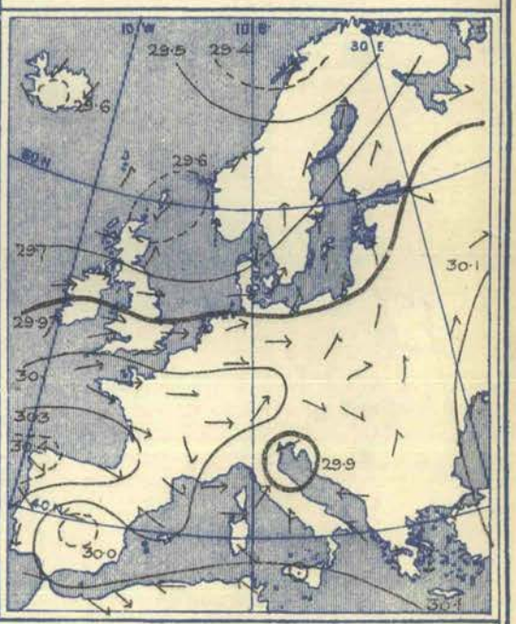
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the Continent, fair at most of our own stations, but dull and rainy in the north of Scotland, and showery in the west of Ireland, rain also falling in north of Scandinavia and at some German stations. Rain becoming general over these Islands later, but amounts not large; heavy falls reported from Austria-Hungary and certain places in the far north, 1·7 in. at Buda-Pesth, 1·0 in. at Trieste, and 1·1 in. at Hangö.

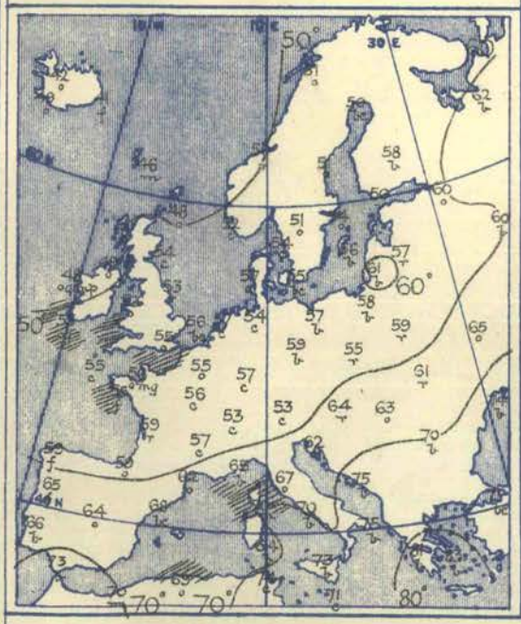
Temperature fallen over the southern parts of Germany and France, and also over north-eastern Europe and the eastern half of England, scarcely changed elsewhere. Morning readings ranging from 39° at Blönduos, 48° at Haparanda, and about 50° in the northern parts of Scotland and Ireland, to 65° and upwards over southern Europe generally, and to 70° and upwards at most of the Mediterranean and Adriatic stations. Highest readings about 78° in Tunisia and at Malta. Maxima during day below 60° over our western and northern districts, slightly above 60° in the east and south-east, about 70° over France, about 80° over Algeria and about 90° in some parts of Spain and Italy.

Wind Westerly over these Islands and the western parts of the Continent, fresh in force generally; South-Westerly moderate over northern Europe, light variable elsewhere. Wind backing to the Southward in the west of Ireland later, little other change.

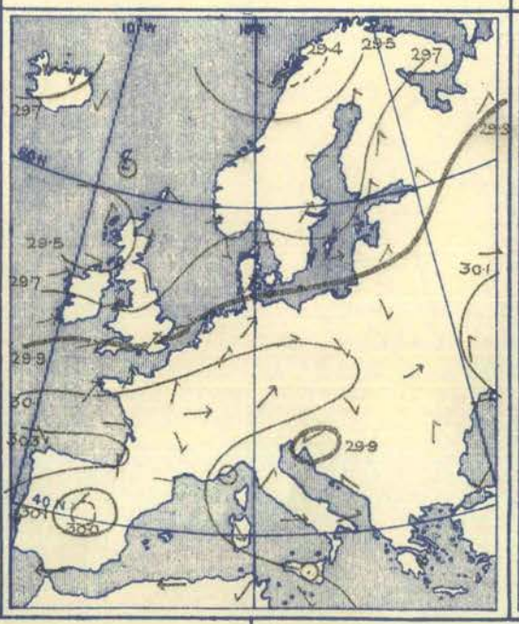
Barometer at 8 a.m., highest 30·3 ins. to 30·4 ins. and upwards over the north of Spain and the neighbouring part of the Atlantic; 30·1 ins. and upwards over south-eastern Europe. Lowest below 29·4 ins. over the north of Sweden, 29·7 ins. to 29·5 ins. and less in a complex depression over the North Sea. Depression over Sweden moving northwards during day, that over North Sea filling up somewhat.

Monday, 24th June, 1907.

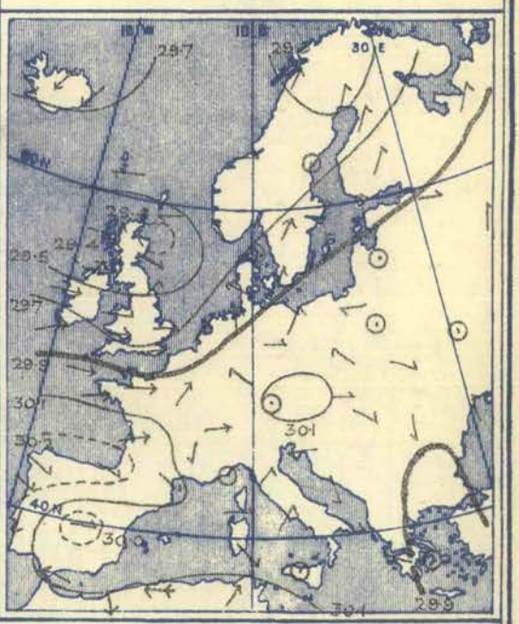
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine at most of the Italian stations, over the Baltic, and in Lapland. Cloudy or overcast over the greater part of the Continent and these Islands, with rain on the Gulf of Finland, over Poland and Austria, and at several of our own stations. Rain falling later over the whole of these islands and the central parts of the Continent, largest amounts 1·3 in. at Dunkirk, 0·9 in. at Charleville, and 0·7 in. at Nairn.

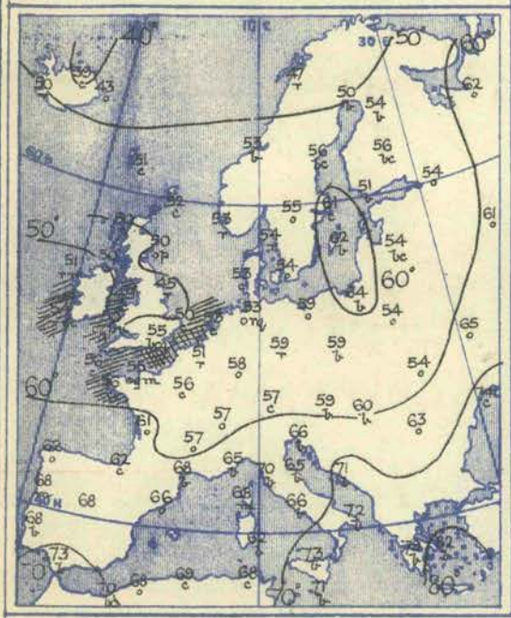
Temperature changed irregularly, morning readings, highest 83° at Athens, 81° at Patras, 77° at Sfax, above 70° on the southern shores of the Mediterranean, and about 55° in the south and east of England; lowest slightly below 50° at some of our own northern and north-western stations, and only slightly above 40° in Iceland. Maxima during day below 60° in parts of these Islands except the extreme south-east, nearly 80° in the south of France, 88° at Brindisi and Aumale and 108° at Laghouat.

Wind generally South-Westerly to Westerly over north-western Europe, fresh at some of our own stations, more variable and light or moderate in force over the remainder of the Continent. High Easterly winds at Algiers. Considerable increase of wind taking place over England during day, attaining the force of a fresh gale in the Channel.

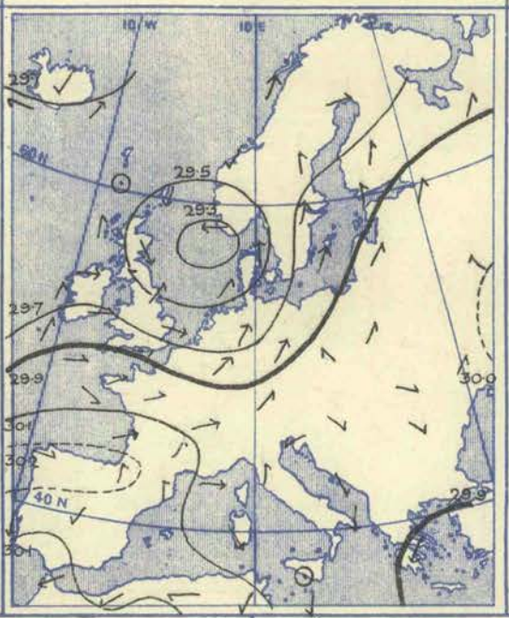
Barometer at 8 a.m., highest 30·3 ins. and upwards in an anticyclone stretching in from the Atlantic over the north of Spain; 30·1 ins. and upwards over eastern Russia. Lowest below 29·4 ins. off the north-west of Norway, and below 29·5 ins. in a depression off the west of Scotland. Latter system moving north-eastwards during day and becoming complex, secondary disturbances moving across the south of England.

Tuesday, 25th June, 1907.

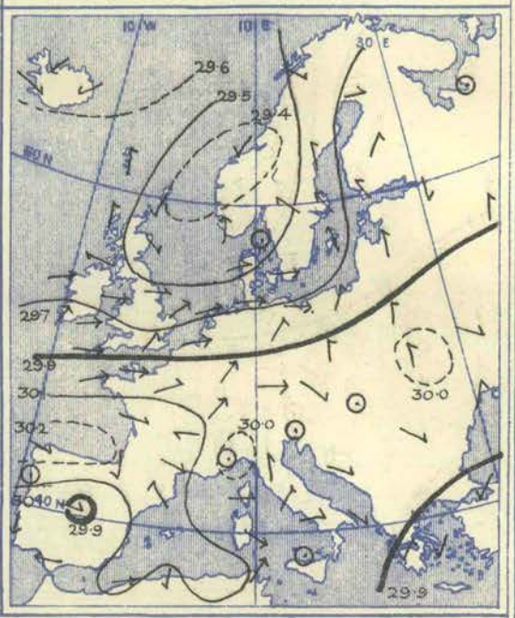
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over southern Europe, in Austria, and also over Sweden and the Baltic, dull over the remainder of the Continent, with rain at some of the Norwegian and German stations as well as at Brussels; fair over the greater part of England, but dull and rainy in the west and south of Ireland. Rain falling later in all parts of our Islands excepting the east of Scotland, and thunder with hail occurring at Wick. Rain also falling over the northern half of Europe generally.

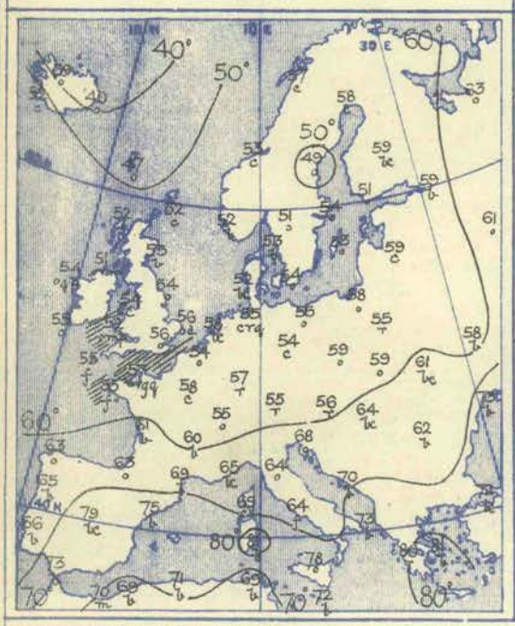
Temperature fallen over Great Britain and the nearer part of the Continent, and also over Italy, changed irregularly elsewhere. Morning readings, highest about 80° over Greece, above 70° at several stations in south-eastern Europe; lowest 55° over our Islands generally, 50° or slightly below at some of the Scottish and Irish stations, and 40° or below at some stations in Iceland. Rising during day to between 75° and 80° in the south of France and the Mediterranean generally, to 86° at Brindisi and Aumale and to 108° at Laghouat. Maxima over these Islands nearly all below 60°.

Wind at 8 a.m. showing a cyclonic circulation, Easterly or North-Easterly over Norway and the Shetlands. North-Westerly to Westerly over Great Britain and France, South-Westerly or Southerly on the eastern shores of the North Sea and over the Baltic; variable over the Continent generally. South-Westerly in the west of Ireland. Strong or light in force over England and the adjacent parts of the Continent. Wind decreasing in force later in day, little other change.

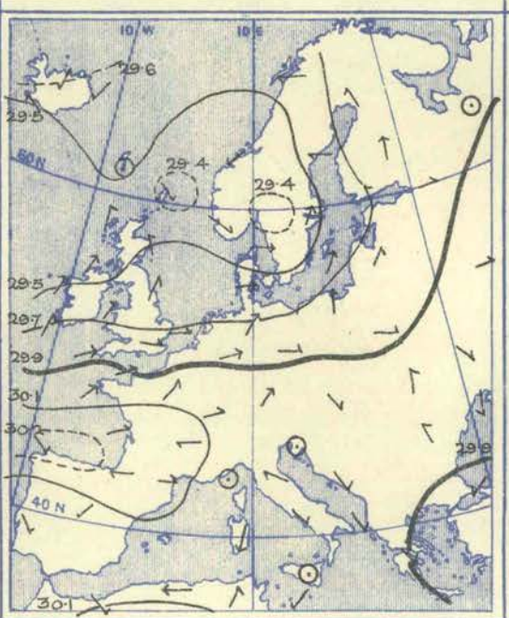
Barometer in morning, highest 30·2 ins. and upwards in an anticyclone off the Spanish coast; lowest 29·3 ins. and less in a depression over the North Sea. No important change in distribution of pressure during day. North Sea depression moving northwards and partially filling up.

Wednesday, 26th June, 1907.

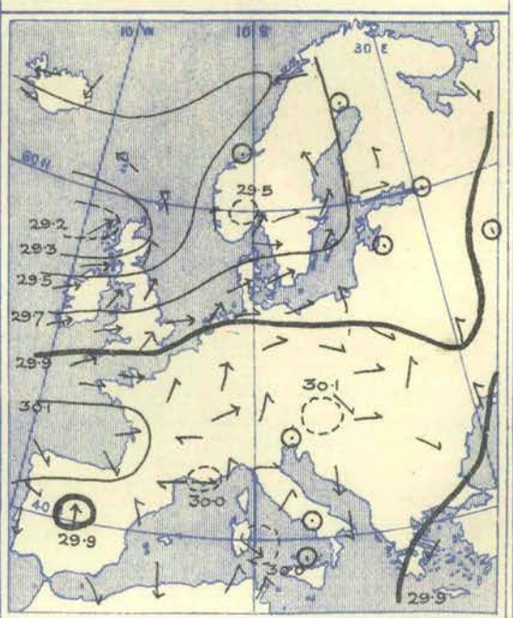
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over all the more eastern and southern parts of our area, and locally in the east of Scotland and Lapland, cloudy or dull over the western and central parts of Europe generally, with rain at most of the German and Austrian stations and in various parts of these Islands, foggy at the mouth of the Channel. Rain falling later at most of our own stations and in Sweden and Russia, amounts generally slight, heaviest falls 0·3 in. in the Shetlands and Hebrides, and 0·8 in. at Kieff.

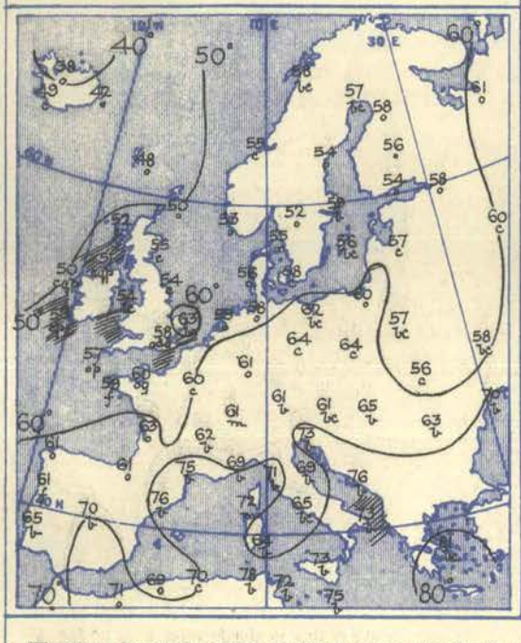
Temperature fallen in the south of Scandinavia and at some stations in Germany and Italy, risen over the British Islands and in most parts of Spain and France as well as over the Mediterranean region generally. Morning readings, highest above 80° in Greece and Sardinia, 79° at Madrid, above 70° at many stations in southern Europe; lowest below 40° at some stations in Iceland, below 55° in nearly all parts of north-western Europe. Rising during day to 60° or above in most parts of these Islands, to between 75° and 80° over central and southern Europe generally, to 95° at Madrid, and to 100° at Laghouat.

Wind, cyclonic circulation shown over Scandinavia, the Southerly wind over the Baltic being strong. Moderate South-Westerly over western Europe generally, light to fresh in force. Light and variable over eastern and southern Europe. Little change later in day beyond some increase in the force of the wind at many of our own stations.

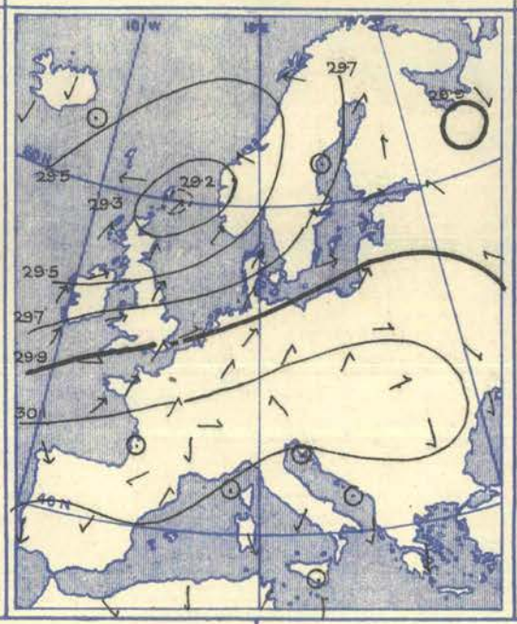
Barometer in morning, highest 30·2 ins. and upwards over the north of Spain and the adjacent parts of the Bay of Biscay. Lowest 29·4 ins. and less in two depressions, one over the south of Scandinavia and the other over the Shetlands; 29·9 ins. and less over south-eastern Europe. Disturbance near Shetlands moving north-eastwards later, but new one appearing off the Hebrides.

Thursday, 27th June, 1907.

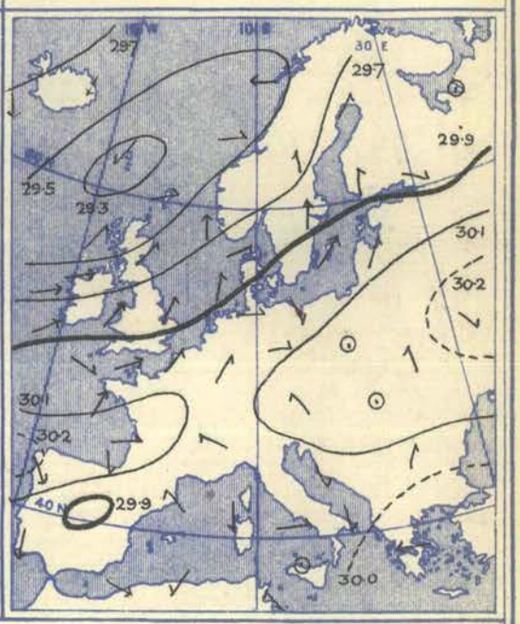
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in a band extending from the south of Norway through Denmark, North Germany and the Low Countries, to the south of England, the north of France and the Bay of Biscay, with rain in many places. Fair over the greater part of these Islands, but with showers in Ireland. Rain falling during day at most of our own and the Scandinavian stations, none in other parts of the Continent.

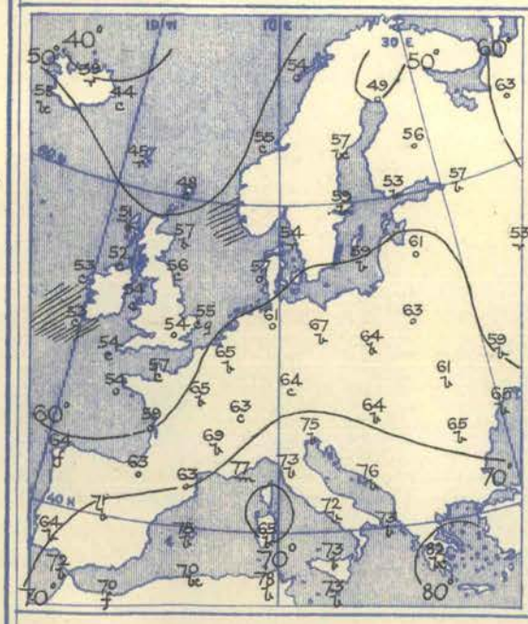
Temperature fallen a little in Ireland, over the Spanish Peninsula, and at some of the Russian stations, risen generally elsewhere. Morning readings, highest above 70° at most of the Mediterranean stations, and as high as 81° at Athens, lowest, below 60° over western Europe generally, and below 40° in the north of Iceland. Maxima during day below 60° on our western and northern coasts, but reaching 67° or 68° at some stations in the south-east of England, and 80° to 85° in the south of France.

Wind South-Westerly to Westerly over north-western Europe generally, fresh or strong in some parts of our Islands, but drawing into East and North-East over the north of Norway and the North Atlantic. Very variable over southern Europe and the Mediterranean. Little change during day.

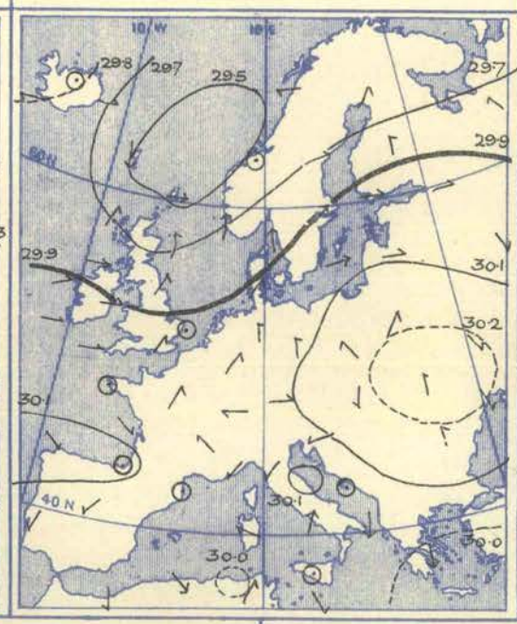
Barometer at 8 a.m., highest 30·1 ins and upwards in a long band extending from the Atlantic across the Bay of Biscay and France, to Poland and Austria. Lowest 29·2 ins. in a well-marked depression over the Shetlands. Latter system becoming less deep by evening Barometer changing irregularly over the Continent.

Friday, 28th June, 1907.

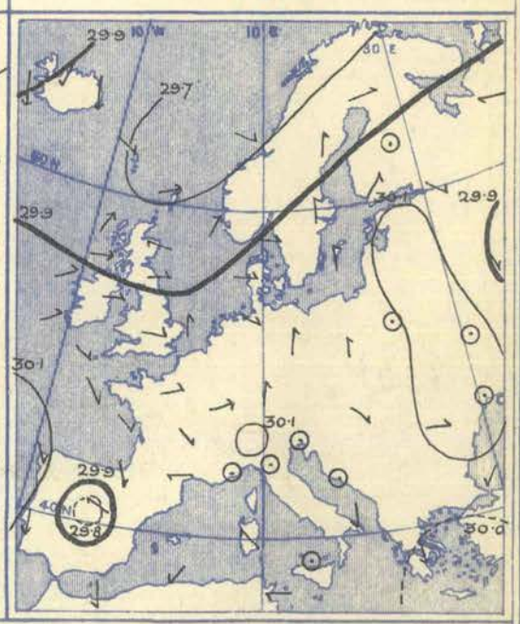
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast over Iceland, Norway, and in many parts of the United Kingdom, with rain at some stations; fair or fine in almost all other regions, but foggy at Corunna and rainy at Bilbao and Moscow. Thunderstorms later in some parts of France and these Islands, and rain, generally slight, experienced over a large portion of western and north-western Europe.

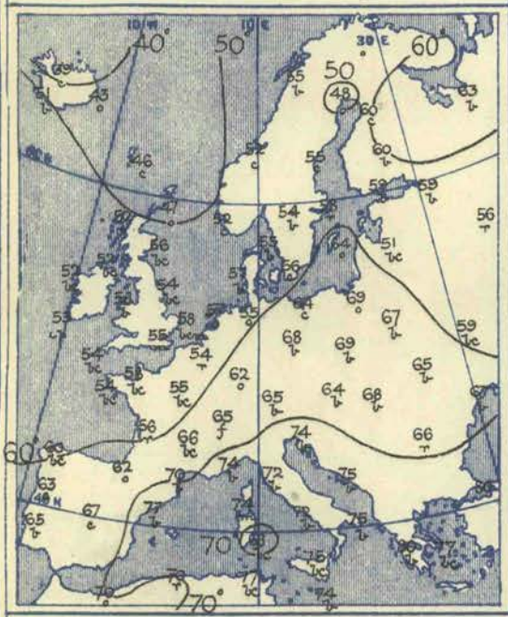
Temperature risen over a considerable part of the Continent, fallen in Russia, changed little over our Islands. Readings in morning mostly above 70° in the south of our area, and above 80° in Greece. Below 55° in nearly all parts of this country and in Norway, and below 40° at some Icelandic stations. Maxima during day not much above 60° in any part of these Islands and below it in some districts, but thermometer rising to above 80° at several French stations, to nearly 90° over Germany, 92° in the north of Italy, 93° at Patras, and 97° at Madrid.

Wind in morning showing an extensive cyclonic circulation over the north and north-west of our area, and an anticyclonic movement in the east. Little force generally, but Northerly current strong at Thorshavn, and that from South fresh or strong in southern Scandinavia. Wind increasing from the Northward in Iceland later, but little change of a general character occurring.

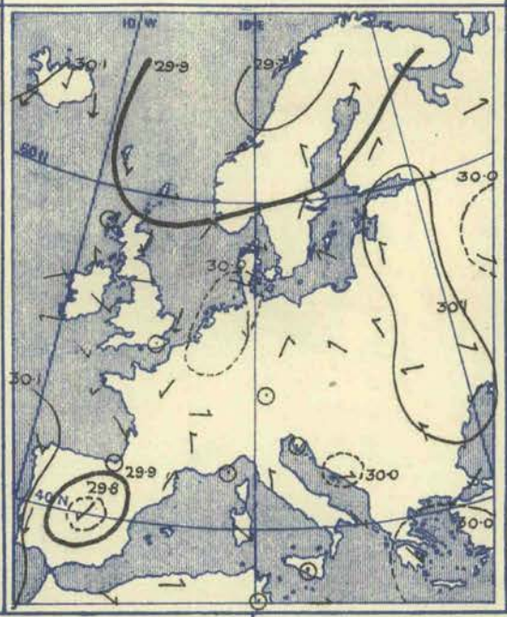
Barometer in morning ranging from above 30·2 ins. in an anticyclone having its centre over the south-west of Russia and above 30·1 ins. over the north of Spain, to less than 29·5 ins. in a large depression between Norway and Iceland. Northern cyclonic system apparently decreasing in depth during day, and barometer rising in Iceland and along the western regions of our area generally. Russian anticyclone giving way somewhat.

Saturday, 29th June, 1907.

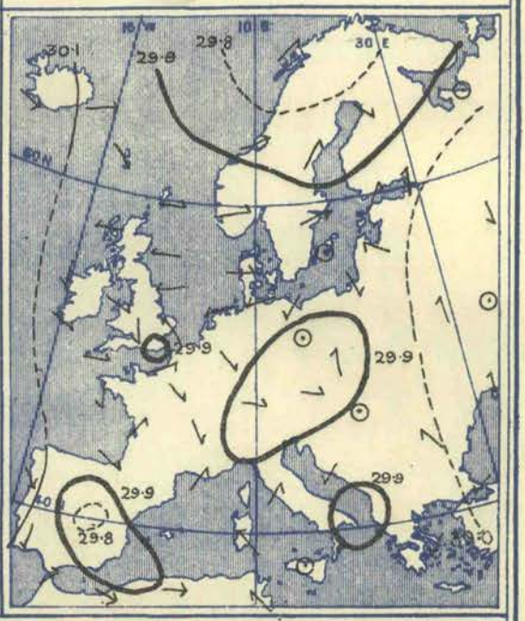
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in places and rainy at a few stations distributed over a large area. Fair or fine in most regions. Very severe thunderstorms over England during day, especially in London and its vicinity; more than an inch of rain measured in some parts of the metropolis. Thunderstorms occurring at some French stations, and heavy rain experienced over that country, as well as in the Netherlands and in some localities over northern Europe.

Temperature changed little and irregularly. Readings in morning ranging from 80° at Patras and above 70° in the south generally, to below 55° at Brussels and in many parts of these Islands, and to below 40° in northern Iceland Thermometer rising to nearly 90° in various parts of southern Europe and to above 80° in the central countries, but maxima very low over these Islands—below 60° at several stations.

Wind in morning moderate to very light in force and very variable in direction. A definite cyclonic circulation prevailing over the Spanish Peninsula. No change of a general character taking place during day, but cyclonic movements over a small area setting in over these Islands.

Barometer in morning above 30·1 ins. over the west of Iceland and also over the western districts of Russia and in Portugal. Below 29·8 ins. in central Spain, and relatively low in ill-defined minima in other parts of our area. Pressure continuing to increase over the Icelandic region and Scotland, but a fall taking place over England and France. Some small thunderstorm disturbances forming by afternoon. Pressure falling slightly over all the central countries, and a large shallow disturbance appearing in that region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze, ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres	Ground Level.	1,600 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.											
June 25th, 10.7 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		52°	47°	40°	[34°]				One kite, 54 sq. ft.; 5,500 ft. wire. Max. height, 4,400 ft. Overcast. Clouds at 3,300 ft. Strong but very steady wind. Rain in afternoon.
		Humidity		90%	95%	100%	[100%]				
		Wind Velocity, m. per hr.		WSW, 18	W by S, 33	W, 37	[W, 42]				
June 26th, 10.33 a.m. to 11.16 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		57°	50°	?*					One kite, 54 sq. ft.; 5,350 ft. wire. Max. height, 3,300 ft. Very sharp inversion, 46° to 54° at 3,300 ft., humidity 90% to 60%, wind increasing greatly and changing from SW to WSW. Overcast. Cloud level 2,600 ft.
		Humidity		80%	90%						
		Wind Velocity, m. per hr.		SW, 20	SW by W, 33	WSW, 40					
June 27th, 10.30 a.m.	Brighton, 380 ft.	Temperature F.		55°							Trace too blurred to read. Thick sea fog. Height about 2,000 ft., with very trifling change of temperature.
		Humidity		100%							
		Wind Velocity, m. per hr.		W by S, 25†							
June 28th, 3.20 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.									Pilot balloon watched through two theodolites. Initial upward velocity 580 ft. per minute decreased to 480, probably owing to leakage.
		Humidity									
		Wind Velocity, m. per hr.		WNW, 11	W by S, 11	W, 12	W by N, 12	W by N, 14	W, 10	SW by W, 18	
June 29th, 7.11 p.m. to 7.27 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.									* Max. velocity, 27 m. per h. at 1,300 ft. Wind backing with height. Direction changing rapidly at 6,000 ft. with small velocity.
		Humidity									
		Wind Velocity, m. per hr.		NNW, 12	NW by N, 24	W ½ N, 9	W, 3	S by W ½ W, 1	S ½ E, 7		
(Report not published last week.)*											
June 17th, 7.15 p.m. to 7.25 p.m.	Ditcham Park, Petersfield, 470 ft.	Temperature F.									* Maximum velocity, 18 m. per h. at 1,200 ft. Cloud level about 5,000 ft.
		Humidity									
		Wind Velocity, m. per hr.		WSW, 11	W by S, 16	SW by W, 14	SW by W, 14				

† Estimated. * Pilot balloon; uniform ascensional velocity of 500 ft. per minute assumed.

63, Victoria Street, London, S.W. *July 3rd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 27. TWENTY-SEVENTH WEEK, ENDING SATURDAY, JULY 6TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—The general condition was again cold and very unsettled. Rain fell frequently in all districts and was sometimes heavy, while thunderstorms occurred at almost all but the extreme northern stations. Many of the thunderstorms were accompanied by hail, which was remarkably heavy at Cirencester on Thursday.

Temperature was nearly 5° below the normal in Scotland N. and between 6° and 7° below it in the Kingdom generally, while in the Midland Counties the defect was as much as 8°·2. The highest of the maxima were registered rather early in the week in most parts of Ireland and Scotland, but towards its close in England. They ranged from 68° in the Midland Counties to 63° in the English Channel, and to 62° in Ireland N. The lowest of the minima, which were recorded during the earlier half of the period, varied from 35° in England S.W. to 41° in England S. and to 48° in the English Channel. At Llangammarch Wells and Armagh the thermometer exposed on the grass fell to 29° and 31° respectively, and at Cambridge, Harrogate, and Newton Rigg to 32. The week was, upon the whole, the coldest experienced in July since the second week of the month in 1890.

Mean Temperature of the Sea.—In comparison with the previous week, the mean values showed a slight decrease off the north of Scotland and a slight increase elsewhere. The actual figures ranged from 58°·6 at Eastbourne and Margate and about 57° at Newquay and Seafield to 50°·2 at Burnmouth, and to 49° at Lerwick.

Rainfall was considerably in excess of the average over the Kingdom generally, but only just equal to it in England E. and below it in England N.E. and Scotland N. and W. The heaviest falls reported in 24 hours were 1·18 in. at Liverpool and 1·08 in. at Jersey on June 30th, and 0·97 in. at Cardiff, and 0·84 in. at Arlington, on the 4th July.

Bright Sunshine was less than the normal in Great Britain, but slightly above it in Ireland. The percentage of the possible duration ranged from 47 in the English Channel, 44 in England S.W. and 40 in England E. to 30 or less in several districts, and to 12 in Scotland N.

Barometer and Wind.—Until Monday evening pressure was highest on the Atlantic and over our western and northern districts, and lowest in depressions over France, so that the prevailing current of wind over these Islands was Northerly to North-Easterly. By Tuesday, however, the barometer was falling again in the west and north, and by Wednesday a well-marked cyclonic system had arrived off our north-western coasts. The wind consequently backed to the South-Westward or Southward again very generally, and as other disturbances arrived from the Atlantic it continued between South and West throughout the remainder of the week, and at times blew freshly or rather strongly on the west and south coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Heavy	Very heavy
	Sunshine ...	Very scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 5 weeks from June 2nd.	Warmth ...	1 * 4	0 * 4	1 * 4	1 * 3	0 * 4	0 * 4	0 * 4	0 * 4	0 * 5	0 * 4	0 * 4	0 * 4
	Rainfall ...	4 * 0	2 * 0	2 * 0	1 * 1	2 * 0	3 * 1	3 * 0	4 * 0	4 * 0	4 * 0	3 * 0	2 * 1
	Sunshine ...	0 * 4	0 * 3	0 * 1	0 * 2	0 * 3	1 * 3	0 * 4	0 * 3	0 * 3	0 * 2	0 * 4	0 * 4

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

6232 370 Wy. & S., Ltd. 7—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (27th)—June 30th to July 6th, 1907.

DISTRICTS. (See p. 211.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	66	39	55·3	44·6	49·6	− 4·8	53	− 34	0	0	6	+ 2	0·57	−0·13	15	− 16	12	−13
Eastern																		
1. SCOTLAND, EAST	65	37	56·1	44·4	49·8	− 6·9	55	− 48	0	0	6	+ 2	0·76	+0·23	24	− 15	20	−12
2. ENGLAND, N.E.	66	37	60·4	45·0	52·2	− 6·4	71	− 45	0	0	5	+ 2	0·38	−0·08	42	− 1	36	− 1
3. ENGLAND, EAST	67	39	61·7	47·4	54·0	− 6·5	84	− 45	0	0	4	+ 1	0·44	0·00	46	− 6	40	− 5
4. MIDLAND COUNTIES	68	38	60·6	44·0	51·7	− 8·2	68	− 58	0	0	6	+ 3	0·88	+0·41	33	− 14	28	−12
5. ENGLAND, SOUTH	66	41	60·2	48·2	53·8	− 7·2	83	− 50	0	0	5	+ 3	0·63	+0·23	37	− 16	33	−14
Western																		
6. SCOTLAND, WEST	65	38	58·8	44·6	51·2	− 6·0	64	− 42	0	0	5	+ 1	0·76	−0·02	32	− 10	26	− 8
7. ENGLAND, N.W.	64	37	58·4	45·7	51·6	− 7·1	67	− 50	0	0	6	+ 3	0·82	+0·24	35	− 10	30	− 8
8. ENGLAND, S.W...	65	35	59·3	46·5	52·5	− 6·9	74	− 48	0	0	5	+ 2	1·26	+0·73	50	− 2	44	− 1
9. IRELAND, NORTH	62	40	57·6	46·7	51·7	− 5·7	68	− 40	0	0	6	+ 2	0·98	+0·35	35	+ 1	30	+ 1
10. IRELAND, SOUTH	64	38	60·0	46·0	52·5	− 6·3	74	− 44	0	0	6	+ 2	1·00	+0·40	41	+ 3	36	+ 3
11. ENGLISH CHANNEL	63	48	60·2	51·3	55·5	− 5·1	95	− 36	0	0	5	+ 2	1·15	+0·70	52	− 7	47	− 7

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 5 Weeks, June 2nd to July 6th, 1907.

0. SCOTLAND, NORTH	71	33	*	*	*	*	271	−106	1	+ 1	30	+11	4·99	+1·86	120	− 61	19	−10
Eastern																		
1. SCOTLAND, EAST	70	32	*	*	*	*	308	−139	0	0	27	+11	3·94	+1·53	154	− 52	25	− 9
2. ENGLAND, N.E...	75	35	*	*	*	*	413	− 77	0	0	24	+10	2·94	+0·77	194†	− 9	33	− 2
3. ENGLAND, EAST	75	39	*	*	*	*	479	− 76	0	0	19	+ 5	1·97	−0·32	198	− 46	34	− 8
4. MIDLAND COUNTIES.. ..	75	37	*	*	*	*	409	−141	0	0	27	+13	3·23	+0·86	177	− 44	31	− 8
5. ENGLAND, SOUTH	73	37	*	*	*	*	459	−125	0	0	20	+ 7	2·35	+0·21	200	− 50	35	− 9
Western																		
6. SCOTLAND, WEST	76	36	*	*	*	*	340	−136	0	0	30	+13	5·97	+2·32	132	− 87	22	−15
7. ENGLAND, N.W...	75	37	*	*	*	*	381	−140	0	0	31	+15	5·74	+3·08	155	− 73	27	−12
8. ENGLAND, SW	75	35	*	*	*	*	398	−150	0	0	28	+13	4·80	+2·18	178	− 78	31	−14
9. IRELAND, NORTH	65	37	*	*	*	*	342	−142	0	0	31	+12	5·42	+2·33	145	− 46	25	− 8
10. IRELAND, SOUTH	69	37	*	*	*	*	406	−130	0	0	29	+12	4·48†	+1·54	157	− 53	27	− 9
11. ENGLISH CHANNEL	69	46	*	*	*	*	482	− 97	0	0	23	+ 7	2·44	+0·33	216	− 72	39	−13

THE YEAR.—Aggregates, &c., for the period of 27 Weeks, December 30th, 1906, to July 6th, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	674	−133	522	− 21	142	+19	28·21	+5·97	623	− 65	26	− 3
Eastern																		
1. SCOTLAND, EAST	70	5	*	*	*	*	772	−209	599	+ 11	107	+ 7	14·47	+1·35	747	− 22	31	− 1
2. ENGLAND, N.E...	82	15	*	*	*	*	1007	− 35	501	+ 26	102	+11	11·74	+1·09	851†	+102	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	1138	−108	518	− 3	96	+ 7	10·67	−0·04	882	+ 3	37	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1094	−175	540	+ 7	101	+13	12·38	+0·33	768	− 20	32	− 1
5. ENGLAND, SOUTH	76	16	*	*	*	*	1175	−176	434	+ 53	90	+ 6	11·54	−0·21	891	+ 10	37	0
Western																		
6. SCOTLAND, WEST	76	16	*	*	*	*	908	−156	404	− 6	120	+14	25·58	+3·90	682	−110	28	− 5
7. ENGLAND, N.W.	76	15	*	*	*	*	977	−168	418	+ 32	117	+20	17·59	+2·65	758	− 46	32	− 2
8. ENGLAND, S.W...	76	5	*	*	*	*	1063	−250	396	+ 95	115	+20	18·24	+1·51	821	−107	34	− 4
9. IRELAND, NORTH	70	16	*	*	*	*	930	−214	292	− 53	133	+19	21·60	+4·53	674	− 77	28	− 3
10. IRELAND, SOUTH	73	11	*	*	*	*	1178	−177	256	− 3	127	+24	16·87†	−1·61	748	− 84	31	− 4
11. ENGLISH CHANNEL	70	21	*	*	*	*	1328	−170	96	− 13	102	− 1	12·78	−1·25	927	−124	39	− 5

† The corresponding values for last week slightly altered owing to the receipt of further information.

June 30-July 6, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	54	53	51·9	44·6	48·0	− 3·5	42	0	3	0·32	− 0·17	17·6	− 15·6	14	− 12
	Stornoway	58	45	54·1	46·3	49·9	− 4·4	55	0	5	0·64	0·00	16·5	− 22·8	13	− 18
Mainland.	Wick	62	40	55·4	44·1	49·4	− 4·7	52	0	5	0·35	− 0·15	*	*	*	*
	†Lairg (Strathpeffer) ..	64	39	56·4	42·7	49·1	− 5·4	50	0	6	0·70	+ 0·05	14·9	− 18·4	12	− 15
	Glencarron	62	40	53·8	43·7	48·4	− 6·2	45	0	7	0·99	− 0·12	*	*	*	*
	Fort Augustus	66	43	58·1	45·8	51·5	− 4·8	67	0	7	0·69	+ 0·11	12·0	− 15·6	10	− 13
	Fort William	61	42	57·1	45·1	50·7	− 5·7	61	0	6	0·27	− 0·77	*	*	*	*
1. SCOTLAND, E.	Nairn	65	40	56·1	44·4	49·8	− 6·5	55	0	5	0·67	+ 0·12	20·0	—	16	—
	Aberdeen	59	43	56·3	46·7	51·2	− 5·1	64	0	6	0·41	− 0·16	23·9	− 16·1	20	− 13
	†Balmoral (Crathes) ..	56	37	52·0	40·7	46·0	− 8·2	33	4	6	0·46	− 0·13	20·9	—	17	—
	†Crieff (Balruddery) ..	61	44	58·3	45·1	51·2	− 6·5	64	0	7	0·95	+ 0·26	27·8	—	23	—
	†Leith (Edinburgh) ..	60	43	57·6	47·1	52·0	− 5·8	70	0	6	0·98	+ 0·43	24·4	− 9·0	20	− 8
	Marchmont	60	41	56·0	42·4	48·7	− 7·3	47	0	5	1·07	+ 0·38	26·8	− 14·8	22	− 12
	(Saltburn)												46·4	—	39	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	63	37	59·0	43·7	50·8	− 5·7	62	0	6	0·54	− 0·02	29·1	—	25	—
	†Shields (Newcastle)	65	41	57·7	44·1	50·4	− 7·5	59	0	5	0·48	− 0·06	26·2	− 6·8	22	− 6
	Durham	66	38	58·8	43·1	50·4	− 7·6	59	0	6	1·03	+ 0·45	31·4	− 8·1	27	− 7
	Scarborough	64	45	61·0	47·8	53·9	− 4·3	83	0	3	0·14	− 0·40	52·3	—	44	—
	York	64	38	62·2	45·5	53·3	− 6·1	79	0	4	0·26	− 0·31	31·9	− 8·7	27	− 7
Southern part.	Spurn Head	65	47	60·4	49·1	54·4	− 4·3	87	0	4	0·23	− 0·15	*	*	*	*
	†Lincoln (Skegness)	66	39	62·6	43·1	52·2	− 8·6	71	0	4	0·07	− 0·45	55·7	—	48	—
	†Fulbeck (Rauceby)	64	40	61·6	43·8	52·1	− 7·6	71	0	7	0·26	− 0·24	51·4	—	44	—
3. ENGLAND, E. — Northern part.	Hillington	65	42	62·4	45·8	53·5	− 6·2	81	0	6	1·12	+ 0·52	46·0	+ 0·2	40	0
	†Yarmouth (Lowestoft) ..	65	47	61·4	50·4	55·5	− 3·8	95	0	4	0·33	− 0·20	57·3	—	50	—
	Geldeston	67	39	62·2	45·3	53·2	− 6·5	78	0	5	0·22	− 0·29	52·8	+ 4·9	46	+ 4
	(Cromer)												60·3	—	52	—
Southern part.	Cambridge	66	40	62·0	44·1	52·4	− 8·3	73	0	4	0·65	+ 0·10	34·3	− 12·5	30	− 11
	Felixstowe	66	39	62·3	48·3	54·8	− 5·7	90	0	3	0·17	—	50·2	—	44	—
	Clacton-on-Sea	66	41	61·1	49·0	54·6	− 7·1	88	0	4	0·14	—	49·3	—	43	—
	Rothamsted	64	41	59·9	45·4	52·2	− 7·3	71	0	7	1·02	+ 0·46	38·6	− 7·9	34	− 7
	†Shoeburyness (Southend)	66	44	63·0	49·1	55·6	− 6·3	95	0	2	0·10	− 0·33	40·5	—	36	—
	London, Westminster	65	45	61·1	49·0	54·6	− 7·5	88	0	3	0·22	− 0·30	39·1	− 1·3	34	− 1
	(Dunmow)												43·1	—	38	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	62	38	59·6	43·5	51·0	− 6·4	63	0	6	0·65	+ 0·05	30·9	—	26	—
	†Bawtry (Worksop)	68	38	63·4	43·0	52·5	− 7·2	74	0	5	0·38	− 0·17	31·4	− 7·0	27	− 6
	Nottingham	65	39	60·7	42·6	51·0	− 9·0	68	0	7	0·45	− 0·11	32·3	—	28	—
	Birmingham, Edgbaston ..	64	42	59·9	44·7	51·8	− 7·4	69	0	6	0·78	+ 0·21	27·9	—	24	—
	Oxford	63	45	61·1	46·6	53·4	− 7·2	80	0	6	0·78	+ 0·22	34·0	− 11·9	30	− 11
Western part.	†Cheadle (Sheffield) ..	62	40	57·8	43·3	50·1	− 7·3	57	0	7	0·73	+ 0·06	32·0	—	27	—
	Shrewsbury	65	40	61·7	43·5	52·0	− 7·9	70	0	7	2·02	—	*	*	*	*
	Hereford	66	39	61·8	43·8	52·2	− 7·9	71	0	5	0·40	− 0·14	*	*	*	*
	Cirencester	62	39	59·5	43·1	50·7	− 8·2	61	0	5	1·24	+ 0·64	34·7	− 10·2	30	− 9
	Bath	62	42	60·7	45·4	52·5	− 8·3	74	0	4	1·36	+ 0·78	37·6	—	33	—
	(Margate)												44·6	+ 0·9	39	+ 1
5. ENGLAND, S.	Kew	65	46	61·2	48·1	54·2	− 6·8	85	0	5	0·70	+ 0·16	38·9	− 7·2	34	− 6
	Wisley, Surrey	64	44	60·9	47·0	53·5	− 7·7	81		5	0·38	—	40·1	—	35	—
	†Swarraton (Ventnor) ..	63	41	60·0	45·0	52·0	− 8·8	70	0	3	0·35	− 0·21	33·6	− 13·1	30	− 12
	Tunbridge Wells ..	64	42	59·7	46·0	52·4	− 7·5	73	0	6	0·45	− 0·08	34·2	− 13·2	30	− 12
	†Dungeness (Littlestone) ..	62	42	59·7	50·6	54·3	− 5·2	90	0	4	0·48	+ 0·13	30·8	—	27	—
	Hastings	62	46	59·5	49·3	54·0	− 5·8	84	0	4	1·54	+ 1·08	34·3	− 19·7	30	− 17
	Southampton	66	47	62·4	49·0	55·2	− 6·6	92	0	5	0·82	+ 0·27	42·5	− 7·3	38	− 7
	†Portland Bill (Worthing) ..	61	49	58·3	50·9	54·3	− 5·8	86	0	4	0·29	—	33·4	—	30	—
	(Eastbourne)												36·5	− 17·1	32	− 15
6. SCOTLAND, W.	†Laudale (Oban)	60	40	56·7	45·4	50·7	− 6·1	61	0	5	0·59	− 0·50	25·1	—	21	—
	Glasgow	60	45	56·7	46·3	51·1	− 5·9	64	0	6	1·35	+ 0·62	22·3	− 13·2	19	− 11
	Dumfries	65	41	60·8	45·0	52·4	− 6·2	73	0	5	0·62	− 0·08	*	*	*	*
	Cally	65	39	62·1	42·7	51·7	− 5·2	68	0	5	0·89	+ 0·10	*	*	*	*
	Douglas, Isle of Man	62	38	57·7	43·4	50·1	− 6·9	57	0	4	0·37	− 0·36	47·5	− 0·9	40	− 1
7. ENGLAND, N.W.	Aspatria	61	39	58·4	45·0	51·2	− 6·0	64	0	6	0·64	− 0·13	37·3	—	32	—
	Newton Rigg	61	37	57·5	42·4	49·4	− 7·2	52	0	6	0·33	− 0·30	31·1	− 13·1	26	− 11
	Stonyhurst	62	40	58·2	45·8	51·6	− 6·3	67	0	5	0·96	+ 0·09	34·3	− 9·2	29	− 8
	Blackpool	61	42	57·8	46·6	51·8	− 7·0	69	0	7	1·61	+ 1·00	36·4	− 8·1	31	− 7
	Manchester, Prestwich ..	62	38	58·4	43·1	50·2	− 7·9	57	0	6	0·77	0·00	22·6	− 15·6	19	− 13
	†Liverpool Obs. (Hoylake) ..	60	45	58·0	47·1	52·2	− 7·2	71	0	6	1·71	+ 1·12	37·6	—	32	—
	†Hawarden Bridge (Southport)	64	45	59·9	46·7	52·8	− 7·0	76	0	6	0·41	− 0·07	39·1	− 7·3	33	− 6
NORTH WALES	Llandudno	61	44	59·0	47·6	52·9	− 6·7	76	0	5	0·74	+ 0·20	43·6	− 1·1	38	− 1
	†Holyhead (Aberdovey) ..	59	48	58·1	48·7	53·1	− 5·0	78	0	4	0·57	+ 0·01	40·8	—	36	—
	Bettws-y-Coed	61	42	58·7	44·4	51·1	− 8·6	64	0	7	0·50	—	32·2	—	28	—
8. SOUTH WALES	Llangammarch Wells	61	35	58·5	43·0	50·2	− 8·1	57	0	7	1·51	—	39·6	—	35	—
	Pembroke	60	46	56·4	48·7	52·3	− 5·5	72	0	3	0·76	+ 0·21	63·7	+ 13·7	56	+ 12
	†Cardiff (Aberystwyth) ..	62	40	60·8	45·2	52·5	− 8·1	74	0	6	2·11	+ 1·41	42·4	—	37	—
ENGLAND S.W.	Clifton	62	46	60·5	48·1	53·9	− 7·5	83	0	7	1·68	+ 1·05	37·2	—	33	—
	†Shaftesbury (Marlborough)	61	43	57·8	45·5	51·2	− 7·5	64	0	3	0·40	− 0·19	35·4	− 7·9	31	− 6
	†Arlington (Newquay)	61	42	59·3	45·3	51·8	− 6·3	69	0	6	1·75	+ 0·89	65·1	+ 16·1	58	+ 14
	Cullompton	65	40	62·2	44·5	52·7	− 7·2	75	0	5	0·78	+ 0·15	45·5	+ 1·5	40	+ 1
	Plymouth	61	45	59·0	49·5	53·9	− 6·8	83	0	5	0·85	+ 0·25	52·3	+ 4·7	46	+ 4
	Falmouth	61	46	59·4	49·1	53·9	− 5·8	83	0	6	1·54	+ 0·89	54·6	+ 3·2	48	+ 3
	(Torquay)												55·7	+ 3·0	49	+ 3
9. IRELAND, N. — Western part.	Malin Head	57	46	54·9	47·3	50·8	− 5·3	62	0	7	0·56	+ 0·01	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	59	46	56·9	48·1	52·2	− 5·5	71	0	6	0·84	+ 0·20	*	*	*	*
	Markree Castle	62	44	59·5	46·6	52·6	− 4·2	74	0	7	1·73	+ 0·97	39·5	+ 6·0	34	+ 5
Eastern part.	Armagh	62	40	60·0	44·7	51·8	− 5·8	69	0	6	0·99	+ 0·33	30·3	− 6·3	26	− 5
	Donaghadee	59	44	56·6	46·7	51·3	− 5·8	65	0	4	0·80	+ 0·19	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	61	44	60·6	47·7	53·7	− 6·0	82	0	6	1·23	+ 0·71	29·6	− 13·2	26	− 11
	Kilkenny	64	38	60·4	42·7	50·9	− 7·7	62	0	7	1·64	+ 1·04	*	*	*	*
	Waterford	64	41	60·9	45·1	52·5	− 6·7	74	0	5	0·69	− 0·01	*	*	*	*
Western part.	Birr Castle	64	40	60·0	43·6	51·2	− 6·9	64	0	6	0·83	+ 0·20	26·3	− 8·9	23	− 8
	Foynes	62	46	59·0	47·8	53·0	− 5·0	77	0	7	0·92	+ 0·32	*	*	*	*
	Killarney	64	41	61·6	45·4	52·9	− 5·2	76	0	6	1·42	+ 0·73	*	*	*	*
	Valencia	60	46	57·7	48·7	52·9	− 5·6	76	0	5	0·79	− 0·08	55·9	+ 16·4	49	+ 14
	†Roches Point (Ballinacurra) ..	64	43	60·0	46·6	52·8	− 6·5	76	0	5	0·44	− 0·30	53·6	—	47	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	62	52	59·4	52·4	55·7	− 3·7	96	0	3	0·25	− 0·26	63·0	+ 9·0	56	+ 8
	†Jersey, St. Aubins (St. Heliers)	63	48	60·4	50·7	55·2	− 6·0	92	0	7	2·31	+ 1·81	37·8	− 18·3	34	− 16
	Guernsey	62	49	60·8	50·8	55·5	− 4·5	95	0	5	0·89	+ 0·37	56·1	− 1·1	50	− 1

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 48·2 hrs., 42 %; Brighton, 29·2 hrs. (−23·0), 26 % (− 20 %); Bournemouth, 43·9 hrs., 39 %; Bognor, hrs., %; Rhyl, 47·7 hrs., 41 %; Tenby, 65·0 hrs. (+14·0), 57 % (+ 12 %).

	STATION	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	49·8
	Crathes	0	41	54·9	51·5
	Balmoral	0	33	—	—
	Marchmont ..	—	—	53·7	—
2.	Cockle Park	0	35	53·6	50·9
	York	—	—	54·2	52·2
	Hull	0	35	56·0	52·0
	Lincoln	—	—	56·7	54·0
3.	Lowestoft	—	—	—	—
	Cambridge	0	32	56·9	55·9
	Dunmow	0	35	—	—
	Clacton-on-Sea ..	0	36	57·9	56·4
4.	Harrogate	0	32	52·8	51·7
	Sheffield	0	33	54·0	51·6
	— — ..				
	Birmingham	0	37	50·7	50·0
	Nottingham	0	35	55·0	53·9
	— — ..				
5.	Kew	0	37	56·8	55·0
	Canterbury	0	39	57·7	56·5
	Portsmouth	0	41	59·2	57·4
	Wisley	0	40	57·3	55·6
6.	— — ..				
	Glasgow	0	37	—	—
	— — ..				
7.	Newton Rigg ..	0	32	55·2	51·8
	Southport	0	37	60·5	58·0
	Manchester City ..	—	—	—	—
	Bettws-y-Coed ..	0	42	52·7	51·0
	— — ..				
8.	Llangammarch Wells	1	29	53·6	51·8
	Bath	—	—	—	—
	Plymouth	0	41	57·8	—
	— — ..				
9.	Armagh	0	31	56·6	53·6
	Markree Castle ..	0	38	—	—
10.	Dublin, Trin. Coll. ..	0	36	56·6	54·0
11.	Guernsey, Brooklyn	0	43	58·9	57·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	49	49·0
	Kirkwall	53	50	51·8
	Wick	50	50	50·0
SCOTLAND, E.	Cromarty	52	50	50·8
	Pennan Bay	53	51	51·9
	Aberdeen, Cove Bay ..	52	51	51·5
ENGLAND, N.E.	Burnmouth, Berwick ..	52	48	50·2
	Scarborough	57	50	53·0
ENGLAND, E.	Shipwash Lightship ..	58	55	56·6
	Margate	61	58	58·6
ENGLAND, S.E.	Eastbourne‡	59	58	58·6
SCOTLAND, W.	Lamlash	53	50	51·2
	Ballantrae	54	51	53·0
ENGLAND, N.W.	Port Erin	55	52	52·8
ENGLAND, S.W.	Newquay	57	57	57·0
	Plymouth‡	56	54	55·0
	Salcombe	55	54	54·2
IRELAND, N.W.	Sheephaven	57	54	55·1
	Ballyglass	60	52	55·4
IRELAND, S.W.	Cleggan	58	53	54·8
	Seafield	59	55	57·2
IRELAND E.	Kingstown‡	55	54	54·4

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

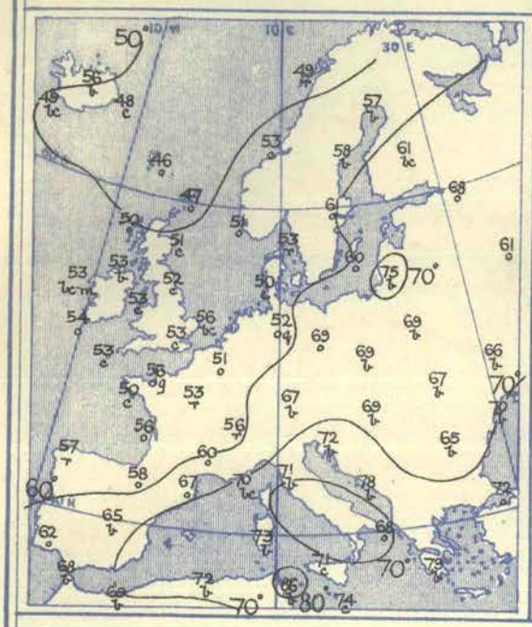
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

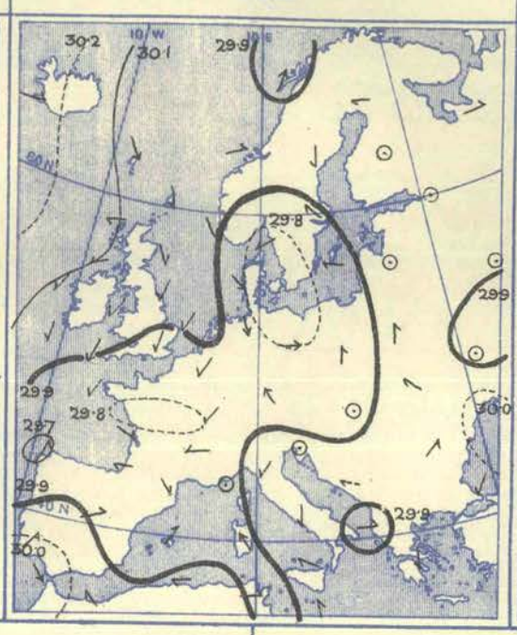
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 30th June, 1907.

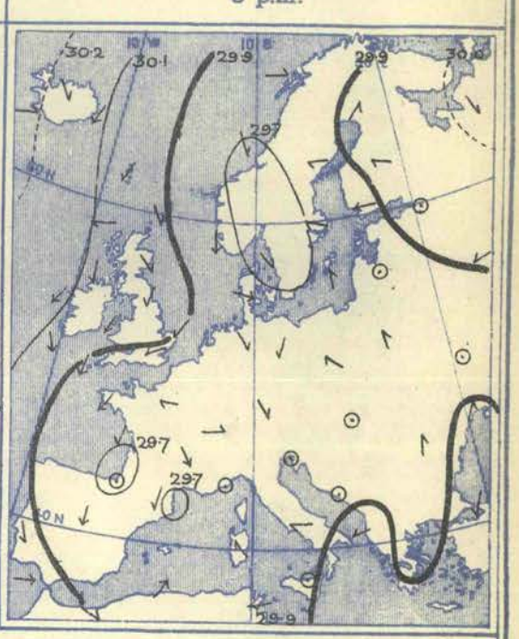
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most of central and south-eastern Europe; cloudy or overcast in nearly all other regions, with rain in a few localities. Thunderstorms later in many parts of England, and heavy rain experienced in several British and French districts as well as at Vienna and in various parts of northern Europe. More than an inch at Liverpool and Jersey, La Hève, Paris, Lyons, and Vienna.

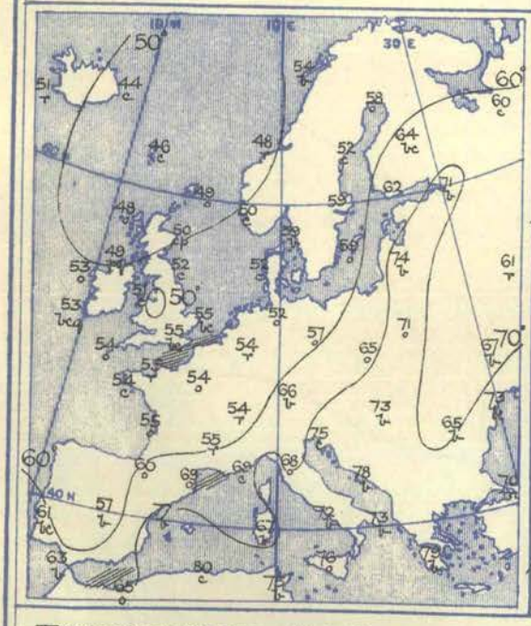
Temperature risen in Iceland, Sweden, and Russia, fallen elsewhere. Readings in morning as high as 68° at Archangel, 75° at Memel, above 70° at nearly all the southern stations, and 86° at Tunis. Below 50° at some of our own stations, and below 55° over nearly the whole of these Islands and a large portion of France. Maxima during day only a little above 60° at some of our stations and below it in several localities, but thermometer rising to nearly 70° in the north of Sweden, 84° at St. Petersburg, and to about 90° in various places in the far south.

Wind in morning showing several cyclonic circulations; little force generally, but a fresh breeze prevailing in places. No change of a general character occurring during day. Northerly and North-Easterly current continuing over the United Kingdom.

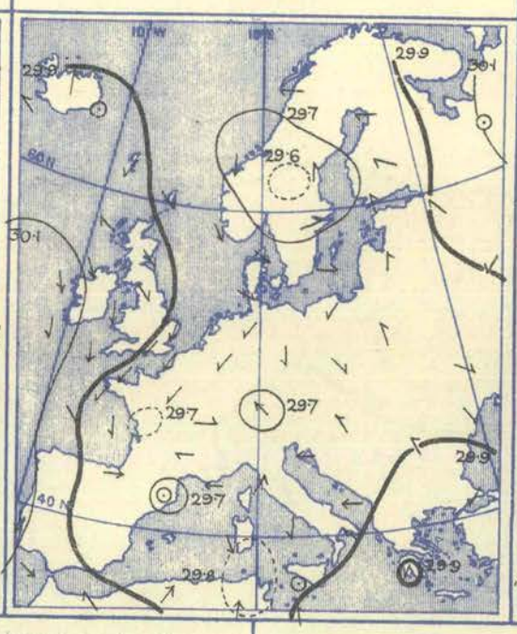
Barometer at 8 a.m. above 30·2 ins. to the westward of these Islands, and below 29·8 ins. in three separate minima over the western and south-western regions of the Continent. Some modification in the form and position of the latter taking place during day, but little change occurring in the United Kingdom. A decrease of pressure setting in over Iceland.

Monday, 1st July, 1907.

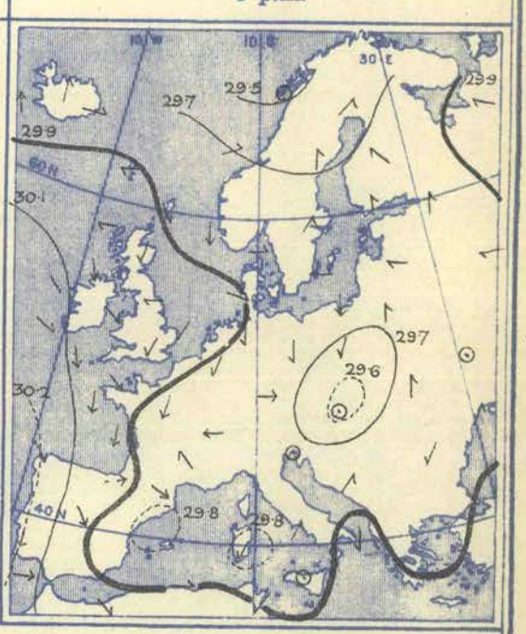
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled, with occasional rain in the western and north-western countries; fair or fine over southern Europe and the greater portion of Russia, but rainy at St. Petersburg and a thunderstorm prevailing at Hangö. Thunderstorms later in several parts of England, but rainfall not heavy at our stations. Rain experienced over most parts of Norway, Germany, and France, as much as 1·2 in. at Christiansund and 1·4 in. at Berlin.

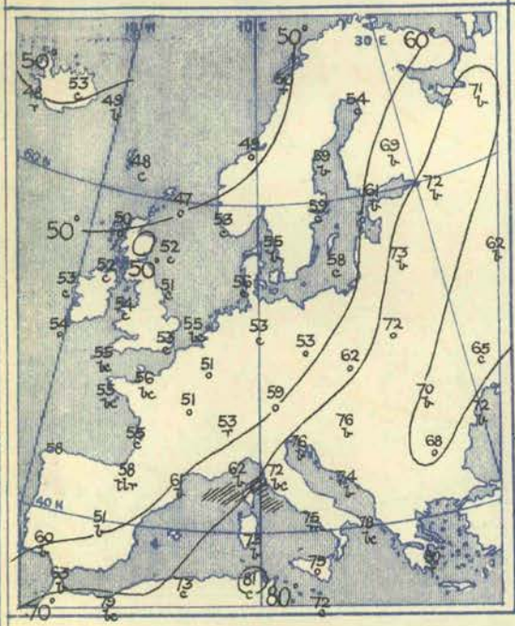
Temperature scarcely changed over these Islands and France. Readings in morning 70° or above over Hungary, the north-west of Russia, and the Mediterranean region, and as high as 80° at Algiers and La Calle. Below 55° at nearly all stations in western Germany, the Low Countries, France, and these Islands, and below 50° in places. Rising later to 86° at St. Petersburg, 88° in Greece, 90° at Brindisi and Florence, and 91° at Buda-Pesth. Maxima below 60° at many of our own stations, and only 55° at Paris.

Wind in morning anticyclonic beyond our south-west and west coasts, but cyclonic generally. Fresh from the North-Eastward at our south-eastern stations and from the Northward in Portugal. Scarcely any force higher than a moderate or light breeze elsewhere. Very little change of a general character occurring during day, becoming rather more Northerly over these Islands.

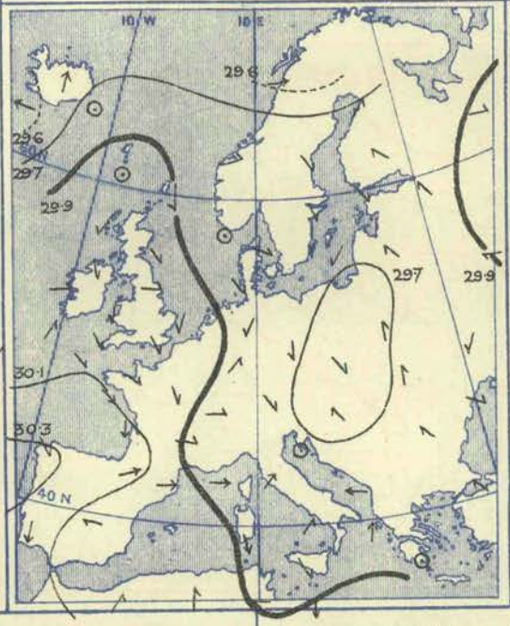
Barometer in morning above 30·1 ins. in the extreme north-east of Russia, and ranging from 30·1 ins. to a much higher figure between Ireland and the Azores. Below 29·7 ins. in several separate minima lying over the Continent. Pressure giving way decidedly in Iceland. General distribution undergoing little modification during day. Fall in Iceland continuing.

Tuesday, 2nd July, 1907.

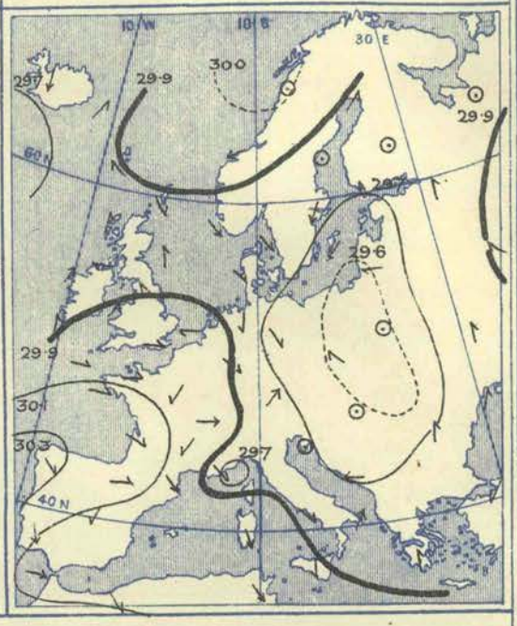
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fine and bright in the east and south of our area; more or less cloudy elsewhere, with rain in a few places. A thunderstorm prevailing at Biarritz. Rain experienced later in most parts of these Islands and in various Continental regions; more than an inch in several parts of Germany.

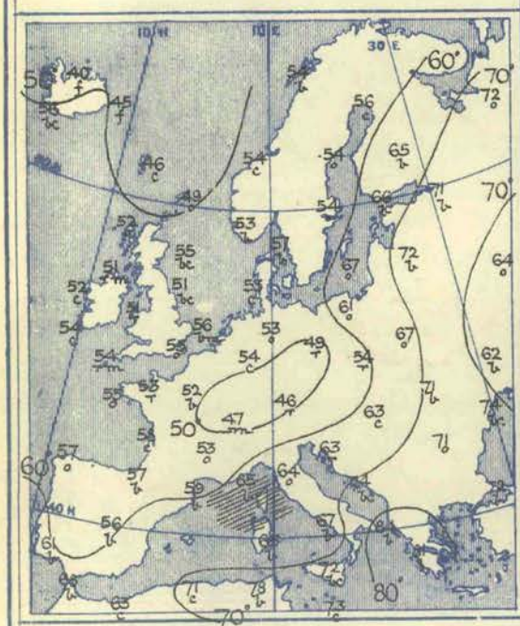
Temperature risen in the north of Russia, changed irregularly or fallen as a whole. Readings in morning 71° at Archangel, 72° at St. Petersburg, 73° at Riga, and above 70° in the east and south of our area generally; below 50° at some stations over our Islands, France, and Belgium, and very little above that point over a very wide area. Maxima during day about 90° in places in the far south, and above 80° over a very large area, but below 60° at many of our own stations, and not much above it in some French localities.

Wind in morning light and mainly from the North-Westward over these Islands and France, moderate Northerly in the Spanish Peninsula, and moderate to fresh from between South and East in Iceland. A feeble cyclonic circulation prevailing over the central countries. Backing to the South-Westward or Southward over our western districts by evening, and becoming variable over England. Cyclonic circulation growing more marked over the central countries.

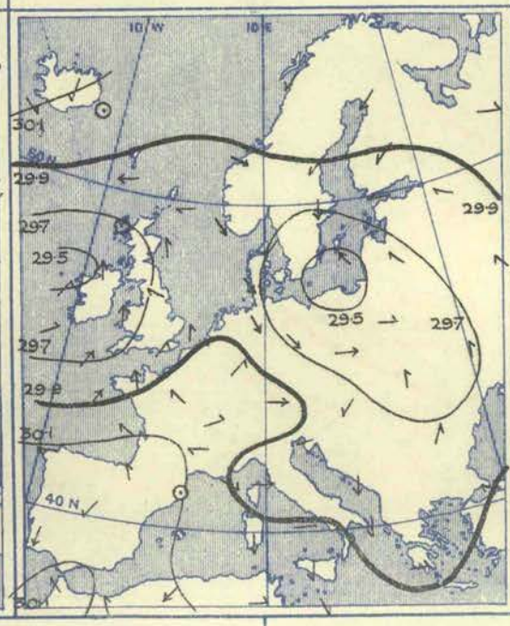
Barometer in morning above 30·4 ins. on the Atlantic between the Azores and Spain, and relatively high over the United Kingdom. Below 29·7 ins. in a large, shallow depression over Central Europe, and less than 29·6 ins. in the extreme north of Norway and also to the westward of Iceland. Pressure giving way rather decidedly during day on our west and north-west coasts, and a fresh depression advancing towards that region from the Atlantic. Disturbance over central Europe becoming deeper. A small, but deep depression forming over the Gulf of Genoa.

Wednesday, 3rd July, 1907.

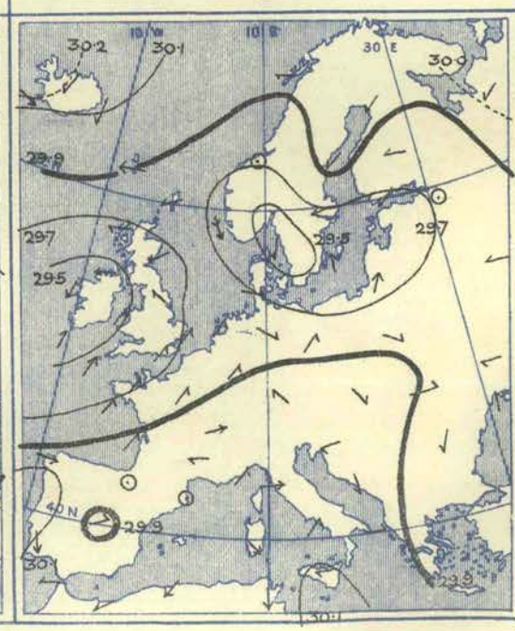
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in almost all parts of southern Europe, but unsettled and cloudy over our area generally, with rain in the west and south-west of our Islands, as well as in Denmark, north Germany, and at Munich and Trieste. Thunderstorms occurring later at Donaghadee and in some British localities, and rain falling at nearly all our own stations, as well as over the northern countries of the Continent; about an inch at some places in the north-west of France, and also at Copenhagen and Færder, and 1·4 in. at Karlstad.

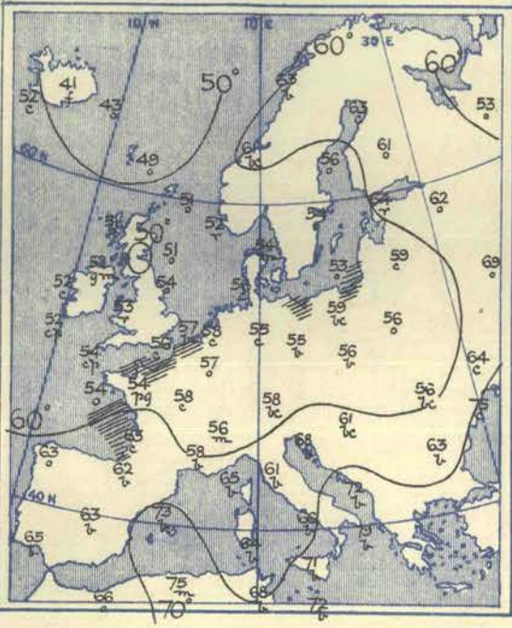
Temperature changed little over these Islands, but risen in many places. Readings in morning above 70° at many Russian stations, including Archangel, and also over the Mediterranean region; highest reading 84° at Brindisi. Below 55° in nearly all parts of these Islands, the north of France, and Belgium and Holland. Maxima in London 57°, and below 60° at most of our other stations, as well as in several parts of Germany. Thermometer rising to above 70° in Sweden, to 81° at St. Petersburg, and to about 90° in some localities on the shores of the Mediterranean.

Wind in morning showing complete or partial cyclonic circulations over the major portion of our area. A gale reported from Vienna and a high wind from Sanguinaire, but no force greater than a strong breeze elsewhere. A fresh gale from North North-West springing up by evening on the south-west coast of Norway. Veering to North-East on the north-west coast of Ireland.

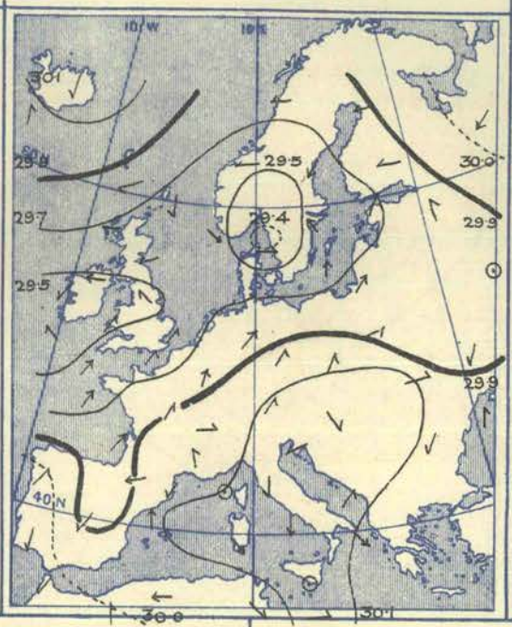
Barometer in morning above 30·1 ins. over the Spanish Peninsula, and also in the north-west of Iceland. Below 29·5 ins. in a depression off the north-west of Ireland and also in a well-formed system having its minimum over th Baltic; relatively low over the Gulf of Genoa and its vicinity. Baltic disturbance moving in a north-westerly direction during day, and that off Ireland extending over these Islands.

Thursday, 4th July, 1907.

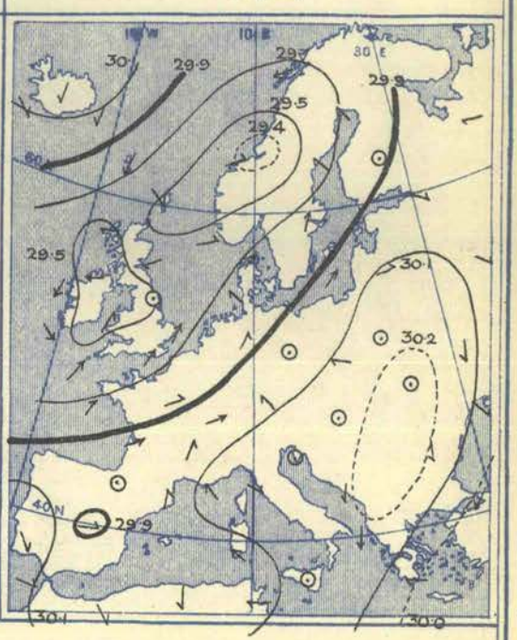
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the south-west of our Islands and the north-west of France, and cloudy or overcast in most parts of northern and north-western Europe; fair to very fine in the south and south-east of our area. Rain falling later over a considerable portion of the Continent and at most of our own stations, and thunderstorms occurring in several English localities. Heaviest rain measurements about half an inch at Leith, Bath, and Nantes.

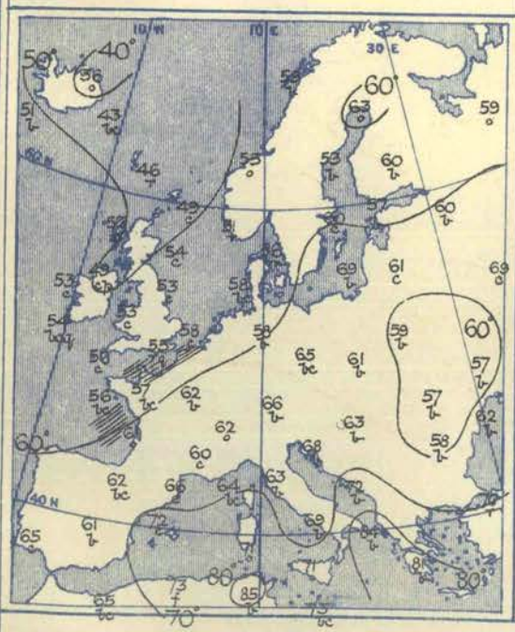
Temperature risen in many southern regions and the extreme north of Scandinavia, changed little or fallen elsewhere. Readings in morning still below 55° at most of our own stations and only 49° at Nairn; above 70° over a considerable portion of Russia, and also over the Mediterranean region, and as high as 79° at Brindisi. Maxima during day above 90° at some stations in the extreme south of our area, above 70° over central Europe, and as high as 79° at St. Petersburg. Thermometer remaining below 60° at many of our own stations, and exceeding 65° at scarcely any.

Wind in morning cyclonic over the United Kingdom and Scandinavia, but of little strength; anticyclonic over the more southern districts of Europe. South-Westerly wind increasing somewhat in force on our south and south-east coasts during day, and a strong North-Easterly breeze setting in at Thorshavn.

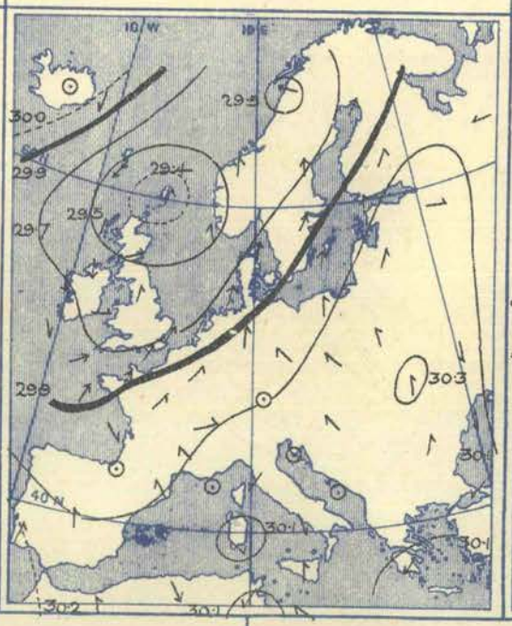
Barometer in morning ranging from above 30·1 ins. in a large system covering a large part of central Europe and the central portion of the Mediterranean, and in another high-pressure system over Iceland, to less than 29·5 ins. in a depression extending from the Atlantic and covering Ireland and the north of England, and to less than 29·4 ins. in another minimum over the Skager Rack. Latter system moving northwards during day, and that in the west travelling slowly eastwards. Barometer beginning to rise again in Ireland by 6 p.m. Pressure increasing decidedly in the south-east of Europe, and a rise also taking place in the extreme south-west of our area.

Friday, 5th July, 1907.

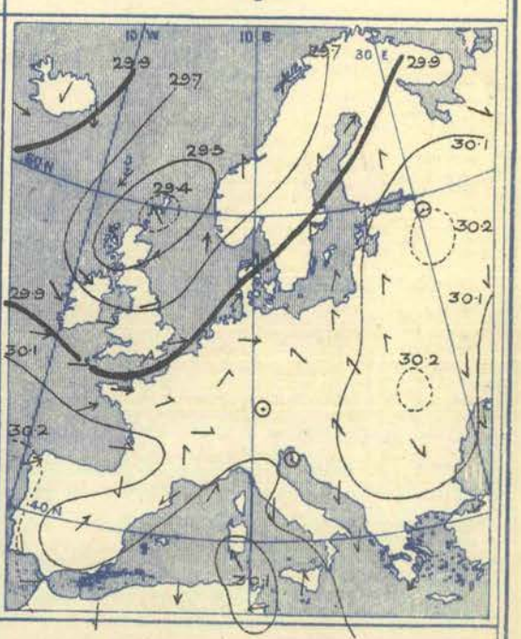
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at nearly all stations in the south and east of our area, and mostly cloudy or overcast in the United Kingdom, with rain in a few places; rain also falling at Frankfort and Thorshavn. Thunderstorms later in several parts of England, France, and western Germany, with more or less rain in nearly all districts, about half an inch at Jersey, Bath, and Limoges. Rain also falling at Oporto and at some north German stations.

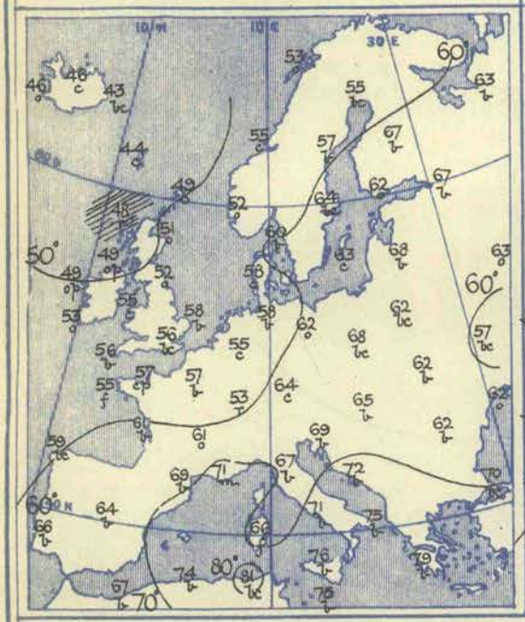
Temperature risen over the central countries and on the shores of the Baltic. Readings in morning as high as 81° at Athens, 84° at Brindisi, and 85° at La Calle. Below 55° in many parts of this country, and below 50° in the north. Maxima during day below 60° in many parts of these Islands, but between 70° and 80° in France and central Europe, between 80° and 90° in Italy and the adjacent Islands, and as high as 100° at Tunis. Thermometer rising to 70° or above at St. Petersburg and in Sweden.

Wind in morning showing an extensive cyclonic movement over the north-western countries, and an anticyclonic circulation in the east and south-west of our area. A fresh North-Easterly gale prevailing at Thorshavn and a strong South-South-Easterly wind at Skudesnaes, but force less than a fresh breeze generally. No general change occurring during day, but some veering towards North-West over our Islands.

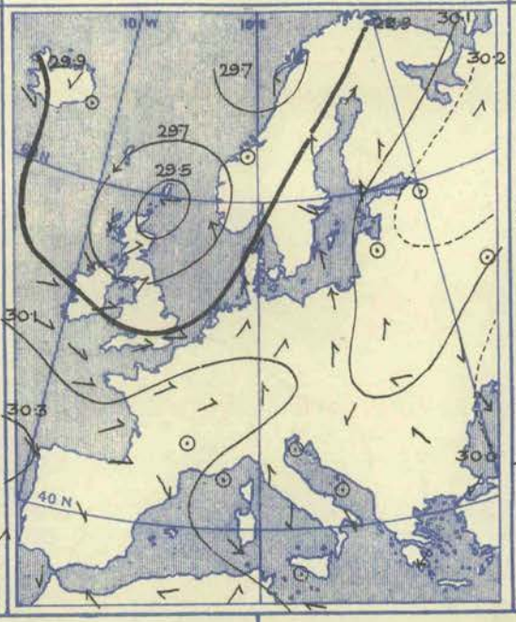
Barometer in morning ranging from 30·2 ins. to above 30·3 ins. in an anticyclonic system over eastern Europe, and from above 30·2 ins. in the extreme south west to below 29·5 ins. in a depression near Bodö, and to less than 29·4 ins. in a more important disturbance off the north of Scotland. Latter system remaining almost stationary during day, and barometer rising over the whole of our Islands—most in the west. Anticyclones maintaining their position, but pressure decreasing somewhat in Iceland.

Saturday, 6th July, 1907.

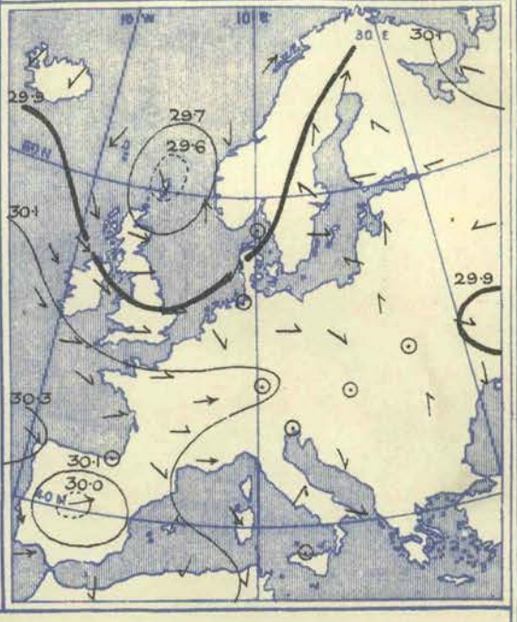
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or showery in Scotland, the north of Ireland, and at Bath and Jersey, as well as at Belfort and Oporto, cloudy in many other regions, but fine and bright in the eastern and southern parts of our area. Continuing fine in most regions, but showers falling in various parts of these Islands, France, Germany, and Scandinavia, and thunder occurring at Lyons.

Temperature changed rather irregularly, but risen as a whole. Readings in morning about 50° in Scotland and northern Ireland, but increasing to 58° or 59° on our south-east coast, to above 60° over central Europe and Russia, and to above 70° in many southern localities; highest readings, 79° at Patras and 81° at La Calle. Thermometer rising to 65° or 66° in London and at Clacton-on-Sea, but again remaining below 60° over a considerable portion of these Islands. Maxima between 70° and 80° over the southern and central countries, 90° at Madrid, and 100° at Tunis.

Wind in morning circulating cyclonically over our Islands and the north-western countries generally, but scarcely any force stronger than a moderate breeze. Light anticyclonic airs prevailing over the east of our area. No change of importance during day.

Barometer in morning ranging from above 30·3 ins. between the Azores and the Spanish Peninsula and above 30·2 ins. in the north-east of Europe, to below 29·7 ins. off the north-west of Norway, and to less than 29·5 ins. in a depression of decreasing intensity off the north of Scotland. Latter low-pressure system continuing to decrease in depth during day and barometer rising slowly over the whole of the United Kingdom. Very little change taking place in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. July 1st, 8.15 p.m.	Sunningdale, Surrey, About 200 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	NE ½ N, 16	NNE, 9	N, 6					§ Entered Cu. cloud at 3,200 ft. Reached height of about 11,500 metres, and fell at 7.25 p.m., 41 m. E. by N ½ N. Considerable temp. inversion, commencing at about 3,000 metres.
July 1st, 4.8 p.m.	Sunningdale, Surrey, About 200 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	N by E ½ E, 11	N by E, 14	NNE, 16	N by E ½ E, 16	N by W, 12			Pilot balloon watched through two theodolites. Average rate of ascension rather over 500 ft. per min., considerable variations for different minutes.
July 3rd, 3.10 p.m. to 3.54 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	52° 95% SSE, 13	47° 100% S, 30	[41°] [100%] [SSW, 30]					One kite, 77 sq. ft.; 3,000 ft. wire. Max. height, 2,700 ft. Clouds at various heights above 1,200 ft. Wind very irregular.
July 3rd, 7.25 p.m. to 8.28 p.m.	Glossop Moor, 1,100 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	51° 96% S by E,	48° 96% S by E, 24	[43°] [96%] [S by E, 26]					One kite, 77 sq. ft. Max. wire, 3,890 ft. Max. height, 2,690 ft. Overcast.
July 4th, 9.20 a.m. to 10.35 a.m.	Glossop Moor, 1,100 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	53° 90% S,	48° 90% S, 30	40° 90% SW by W, 33					One kite, 77 sq. ft. Max. wire, 4,000 ft. Max. height, 3,880 ft. Min. temp. 40°.
July 4th, 11.22 a.m. to 2.5 p.m.	Glossop Moor, 1,100 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	57° 86% SW,	52° 85% SW by S, 29	41° 85% SW, 32	35° 82% SW by S, 34	30° 80% SSW, 34			Two kites, 154 sq. ft. Max. wire, 10,450 ft. Max. height, 7,220 ft. Min. temp. 28°. Good steady breeze.
July 4th, 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	S by W, 13	SSW, 29	SSW, 38	SW by W, 38				§ Started in clear space between two showers, but was hidden by rain after 8 minutes. Ascensional velocity very irregular, 510 to 700 ft. per minute. Fell 92 miles N & 2° N.
July 4th, 12.8 p.m. to 1.22 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m per hr.	57° 70% SSW, 28	48° 85% SW by S, 28	44° 80% ? —, 30					One kite, 54 sq. ft.; 3,000 ft. wire. Max. height, 2,850 ft. Cu. clouds just reached; humidity very variable.
July 4th, 4.0 p.m. to 7.0 p.m.	Brighton, 380 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	56° 95% SW by W, †25	51° 80% SW by W, 40	[48°] [90%] [WSW, 38]					One kite, 50 sq. ft.; 5,350 ft. wire. Max. height, about 2,800 ft. Kite damaged by wind, and recovered with difficulty.
July 4th, 6.36 p.m. to 6.39 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	SW ½ S, 10	SW ½ W, 22						* Cloud level, 2,100 ft.
July 6th, 10.30 a.m. to 11.38 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	58° 70% SW by W, 14	51° 88% WSW, 25	44° 80% WSW, 25					Two kites, 150 sq. ft.; 5,000 ft. wire. Max. height, 3,700 ft. Humidity and wind velocity very irregular. Lowest temp. 43°. Cloudy, clearing by 2 p.m.
July 6th, 12.12 p.m. to 1.35 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F. .. .. Humidity .. .. .. Wind Velocity, m. per hr.	62° 60% —	50° 86% —	43° 90% —					One kite, 77 sq. ft.; 4,590 ft. wire. Max. height, 3,300 ft. Wind SW at first; at 12.30 dark Cu passing over; very strong convection currents; change of wind to W, backing again after cloud passed. Velocity from 20 to 30 m. per h. Heavy shower immediately after ascent.
			Pilot balloon; § Register	uniform ling balloon	† Estimated. ascensional (*ballon sonde*)	velocity of	500 ft. per	through two	minute as theodolites.	sumed.

(Registering balloon sent up on June 5th, 6.10 p.m., reached an approximate height of 8,800 metres, and fell 66 miles E, 32° N.)

63, Victoria Street, Loudon, S.W. *July 10th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 28. TWENTY-EIGHTH WEEK, ENDING SATURDAY, JULY 13TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather continued generally unsettled, but some temporary improvement occurred at times, and the atmosphere was not so persistently cold as of late. Thunder was heard at Balruddery on Monday and thunderstorms were experienced over a large part of England on Wednesday.

Temperature was again much below the average, the deficit ranging from rather more than 7° in the Midland Counties to less than 4° in Scotland N. and W. The highest of the maxima were registered at most stations either on Friday or Saturday, and varied from 73° in England S. to 65° in Scotland N. and England N.W. and to 64° in Ireland N. The lowest of the minima, which occurred on rather variable dates, ranged from 34° in England S.W. (at Llangammarch Wells) and 37° in several other districts to 40° in Scotland E. and to 44° in the English Channel. The lowest readings on the grass were 27° at Llangammarch Wells (on Thursday), 29° at Markree Castle and 32° at Birmingham.

Mean Temperature of the Sea.—The water was slightly warmer than during the preceding week at almost all stations. The actual figures ranged from 58°·9 at Eastbourne, 58°·5 at Margate, 57°·8 at Seafield and 57°·5 at Newquay to less than 52° at most places on the north-east coast, and to 49°·6 at Lerwick.

Rainfall exceeded the average in Scotland, England N.W., the Midland Counties and Ireland N., but was less elsewhere. The heaviest falls of the week occurred during the thunderstorm on Wednesday, when the amount at Clacton-on-Sea was 0·99 in., and as much as 0·54 in. fell at Birmingham between 7 and 8 a.m.

Bright Sunshine was again less than the average except in Ireland, England S.W., and the English Channel district. The percentage of the possible duration ranged from 14 in Scotland N. and 15 in Scotland E. to 42 in England S., 46 in England S.W., and to 64 in the English Channel.

Barometer and Wind.—The only depressions which materially affected the winds and weather in these Islands arrived from the westward early in the week and on Saturday, the distribution during the intervening days being mainly anticyclonic. The general direction of the wind was Westerly both during the prevalence of the high and low pressure systems, but on Wednesday, when an ill-defined depression covered the North Sea, it drew into the Northward over the greater part of the Kingdom. As the depression of Saturday approached our north-west coasts, it backed to South-West or South.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 220.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Light	Moderate	Moderate	Light
	Sunshine ...	Scanty	Very scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 6 weeks from June 2nd.	Warmth ...	1 * 5	0 * 5	1 * 5	1 * 4	0 * 5	0 * 5	0 * 5	0 * 5	0 * 5	0 * 4	0 * 4	0 * 5
	Rainfall ...	4 * 0	2 * 0	2 * 0	1 * 1	2 * 0	3 * 2	3 * 0	4 * 0	4 * 1	4 * 0	3 * 0	2 * 2
	Sunshine ...	0 * 5	0 * 4	0 * 2	0 * 3	0 * 4	1 * 3	0 * 4	0 * 3	0 * 3	0 * 2	0 * 4	1 * 4

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (28th)—July 7th to July 13th, 1907.

DISTRICTS. (See p. 219.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	38	56·7	45·5	50·7	− 3·8	61	− 26	0	0	6	+ 2	0·85	+0·12	17	− 13	14	−11
Eastern																		
1. SCOTLAND, EAST	67	40	58·7	46·2	52·0	− 4·8	70	− 34	0	0	6	+ 2	0·96	+0·36	18	− 20	15	−16
2. ENGLAND, N.E.	72	39	61·3	46·5	53·3	− 5·5	79	− 39	0	0	4	0	0·38	−0·10	26	− 15	22	−13
3. ENGLAND, EAST	69	37	63·4	48·4	55·4	− 5·3	94	− 37	0	0	3	0	0·48	−0·07	32	− 17	28	−15
4. MIDLAND COUNTIES	72	38	61·7	45·2	52·9	− 7·2	76	− 51	0	0	4	+ 1	0·51	+0·01	32	− 12	28	−11
5. ENGLAND, SOUTH	73	37	63·4	48·2	55·3	− 6·2	93	− 43	0	0	3	0	0·20	−0·27	47	− 4	42	− 3
Western																		
6. SCOTLAND, WEST	67	37	60·4	47·2	53·3	− 3·9	79	− 27	0	0	4	0	1·05	+0·20	37	− 3	31	− 3
7. ENGLAND, N.W.	65	39	59·4	48·0	53·3	− 5·6	79	− 39	0	0	5	+ 2	0·70	+0·07	39	− 4	33	− 4
8. ENGLAND, S.W...	69	34	60·7	46·5	53·2	− 6·6	78	− 47	0	0	4	0	0·33	−0·31	52	+ 3	46	+ 3
9. IRELAND, NORTH	64	37	59·3	47·7	53·1	− 4·3	78	− 30	0	0	5	0	0·86	+0·13	32	0	27	0
10. IRELAND, SOUTH	68	39	61·6	48·2	54·4	− 4·5	87	− 31	0	0	5	+ 2	0·50	−0·19	40	+ 3	35	+ 3
11. ENGLISH CHANNEL	67	44	61·9	51·4	56·3	− 4·9	100	− 35	0	0	2	− 1	0·06	−0·46	71	+ 14	64	+12

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 6 Weeks, June 2nd to July 13th, 1907.

0. SCOTLAND, NORTH	71	33	*	*	*	*	332	−132	1	+ 1	36	+13	5·84	+1·98	137	− 74	18	−10
Eastern																		
1. SCOTLAND, EAST	70	32	*	*	*	*	378	−173	0	0	33	+13	4·90	+1·89	172	− 71	24	−10
2. ENGLAND, N.E...	75	35	*	*	*	*	492	−116	0	0	28	+10	3·32	+0·67	221	− 24	31	− 3
3. ENGLAND, EAST	75	37	*	*	*	*	573	−113	0	0	22	+ 5	2·45	−0·39	230	− 63	33	− 9
4. MIDLAND COUNTIES.. ..	75	37	*	*	*	*	485	−192	0	0	31	+14	3·74	+0·87	209	− 56	30	− 8
5. ENGLAND, SOUTH	73	37	*	*	*	*	552	−168	0	0	23	+ 7	2·55	−0·06	247	− 54	36	− 8
Western																		
6. SCOTLAND, WEST	76	36	*	*	*	*	419	−163	0	0	34	+13	7·02	+2·52	169	− 90	24	−13
7. ENGLAND, N.W...	75	37	*	*	*	*	460	−179	0	0	36	+17	6.44	+3·15	194	− 77	28	−11
8. ENGLAND, SW	75	34	*	*	*	*	476	−197	0	0	32	+13	5·13	+1·87	230	− 75	34	−11
9. IRELAND, NORTH	65	37	*	*	*	*	420	−172	0	0	36	+12	6·28	+2·46	177	− 46	25	− 6
10. IRELAND, SOUTH	69	37	*	*	*	*	493	−161	0	0	34	+14	4·98	+1·35	197	− 50	29	− 7
11. ENGLISH CHANNEL	69	44	*	*	*	*	582	−132	0	0	25	+ 6	2·50	−0·13	287	− 58	43	− 9

THE YEAR.—Aggregates, &c., for the period of 28 Weeks, December 30th, 1906, to July 13th, 1907.

0. SCOTLAND, NORTH	79	8	*	*	*	*	735	−159	522	− 21	148	+21	29·06	+6·09	640	− 78	25	− 3
Eastern																		
1. SCOTLAND, EAST	70	5	*	*	*	*	842	−243	599	+ 11	113	+ 9	15·43	+1·71	765	− 41	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1086	− 74	501	+ 26	106	+11	12·12	+0·99	877	+ 87	35	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1232	−145	518	− 3	99	+ 7	11·15	−0·11	914	− 14	36	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1170	−226	540	+ 7	105	+14	12·89	+0·34	800	− 32	32	− 1
5. ENGLAND, SOUTH	76	16	*	*	*	*	1268	−219	434	+ 53	93	+ 6	11·74	−0·48	938	+ 6	38	0
Western																		
6. SCOTLAND, WEST	76	16	*	*	*	*	987	−183	404	− 6	124	+14	26·63	+4·10	719	−113	28	− 5
7. ENGLAND, N.W.	76	15	*	*	*	*	1056	−207	418	+ 32	122	+22	18·29	+2·72	797	− 50	32	− 2
8. ENGLAND, S.W...	76	5	*	*	*	*	1141	−297	396	+ 95	119	+20	18·57	+1·20	873	−104	35	− 4
9. IRELAND, NORTH	70	16	*	*	*	*	1008	−244	292	− 53	138	+19	22·46	+4·66	706	− 77	28	− 3
10. IRELAND, SOUTH	73	11	*	*	*	*	1265	−208	256	− 3	132	+26	17·37	−1·80	788	− 80	31	− 3
11. ENGLISH CHANNEL	70	21	*	*	*	*	1428	−205	96	− 13	104	− 2	12·84	−1·71	998	−110	40	− 4

July 7-13, 1907.		Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	55	41	52·6	45·1	48·6	- 3·6	46	0	6	0·52	0·00	24·3	- 7·8	20	- 6
	Stornoway	62	40	56·9	46·4	51·3	- 3·2	65	0	5	1·11	+ 0·44	18·2	- 17·8	15	- 15
0. SCOTLAND, N. — Mainland.	Wick	60	40	57·1	44·6	50·4	- 4·2	59	0	5	0·59	+ 0·03	*	*	*	*
	†Lairg (Strathpeffer) ..	65	41	59·2	45·7	52·0	- 2·8	70	0	6	0·36	- 0·32	13·5	- 17·5	11	- 14
	Glencarron	61	38	54·6	44·5	49·2	- 5·4	50	0	7	1·34	+ 0·14	*	*	*	*
	Fort Augustus	61	41	58·5	45·9	51·8	- 4·7	69	0	6	0·88	+ 0·25	13·5	- 11·6	11	- 10
	Fort William	61	43	57·8	46·4	51·7	- 5·0	68	0	5	1·12	+ 0·01	*	*	*	*
1. SCOTLAND, E.	Nairn	67	42	58·6	45·3	51·5	- 5·2	67	0	6	1·03	+ 0·43	14·5	—	12	—
	Aberdeen	63	43	58·6	47·6	52·7	- 4·0	75	0	5	0·66	+ 0·04	17·7	- 20·6	15	- 17
	†Balmoral (Crathes) ..	63	40	56·4	43·3	49·4	- 5·1	52	0	6	0·64	+ 0·02	17·7	—	15	—
	†Crieff (Balruddery) ..	62	41	59·9	46·1	52·5	- 5·5	74	0	7	1·52	+ 0·82	19·2	—	16	—
	†Leith (Edinburgh) ..	65	45	60·4	48·7	54·1	- 4·2	85	0	7	1·20	+ 0·61	15·1	- 17·6	13	- 15
	Marchmont .. .. (Saltburn)	62	?	58·3	?	?	?	?	?	5	0·72	- 0·01	20·9	- 19·1	18	- 16
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	72	40	61·9	46·0	53·4	- 3·8	80	0	4	0·29	- 0·31	22·9	—	20	—
	†Shields (Newcastle)	66	40	60·3	46·3	52·8	- 5·3	76	0	5	0·55	- 0·03	22·3	—	19	—
	Durham	66	39	60·3	45·2	52·2	- 6·3	71	0	6	0·34	- 0·29	17·0	- 16·0	15	- 14
	Scarborough .. .. ℳ	64	45	60·0	47·6	53·4	- 5·4	80	0	4	0·25	- 0·31	24·9	- 13·8	21	- 12
	York	68	42	62·2	46·0	53·5	- 6·4	81	0	5	0·56	- 0·03	27·8	—	24	—
2. ENGLAND, N.E. — Southern part.	Spurn Head	64	48	61·7	50·3	55·6	- 3·9	95	0	3	0·07	- 0·33	20·9	- 19·5	18	- 17
	†Lincoln (Skegness)	68	39	62·1	45·5	53·2	- 8·0	78	0	4	0·31	- 0·23	*	*	*	*
	†Fulbeck (Rauceby)	66	39	61·7	44·7	52·6	- 7·3	74	0	4	0·66	+ 0·13	29·1	—	25	—
3. ENGLAND, E. — Northern part.	Hillington .. .. ℳ	67	37	62·7	43·6	52·5	- 7·9	74	0	3	0·32	- 0·32	29·0	—	25	—
	†Yarmouth (Lowestoft) ..	66	48	61·9	51·6	56·4	- 3·6	101	0	3	0·31	- 0·26	25·9	- 19·6	23	- 17
	Geldeston .. .. .. (Cromer)	69	42	64·0	47·7	55·3	- 5·1	93	0	4	0·36	- 0·18	32·4	—	28	—
3. ENGLAND, E. — Southern part.	Cambridge	66	41	62·6	46·9	54·2	- 7·2	85	0	3	0·72	+ 0·17	26·0	- 22·2	23	- 20
	Felixstowe	67	44	63·4	49·6	56·0	- 5·2	98	0	3	0·86	—	28·8	—	25	—
	Clacton-on-Sea	66	43	63·6	49·7	56·2	- 6·0	99	0	3	1·05	—	32·6	- 14·6	29	- 13
	Rothamsted	67	40	63·1	46·3	54·1	- 6·0	85	0	4	0·17	- 0·40	33·5	—	30	—
	†Shoeburyness (Southend) ..	69	44	64·6	50·6	57·1	- 5·4	106	0	3	0·32	- 0·10	32·4	—	29	—
	London, Westminster .. .. (Dunmow)	69	45	64·3	49·7	56·5	- 6·2	102	0	3	0·18	- 0·35	33·3	- 14·7	30	- 13
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	66	41	61·4	44·5	52·4	- 5·5	73	0	5	0·36	- 0·25	42·1	—	37	—
	†Bawtry (Worksop)	72	38	62·0	44·0	52·4	- 7·8	73	0	5	0·80	+ 0·24	34·9	- 5·8	31	- 5
	Nottingham	68	40	61·4	44·9	52·6	- 8·1	74	0	4	0·58	+ 0·01	35·3	—	31	—
	Birmingham, Edgbaston ..	67	44	60·2	45·9	52·6	- 7·0	74	0	4	0·91	+ 0·34	32·9	—	28	—
	Oxford	67	42	63·1	47·4	54·7	- 6·4	89	0	3	0·33	- 0·24	19·3	- 18·7	17	- 16
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. ℳ	64	41	57·7	44·4	50·6	- 7·3	60	0	4	0·83	+ 0·15	23·1	—	20	—
	Shrewsbury .. .. ℳ	68	45	62·1	46·3	53·7	- 6·4	82	0	4	0·53	—	21·8	—	19	—
	Hereford .. .. ℳ	71	40	64·1	44·5	53·6	- 6·9	81	0	3	0·20	- 0·33	34·1	- 11·9	30	- 11
	Cirencester	67	40	62·2	44·0	52·5	- 6·9	74	0	4	0·26	- 0·36	43·6	- 1·4	39	- 1
	Bath .. .. .. (Margate)	67	41	62·9	46·4	54·1	- 7·0	85	0	4	0·29	- 0·30	52·3	—	46	—
5. ENGLAND, S.	Kew	69	43	64·7	49·0	56·3	- 5·4	100	0	3	0·28	- 0·26	33·2	- 11·8	29	- 10
	Wisley, Surrey	70	39	64·8	46·9	55·2	- 6·8	92	0	2	0·11	—	41·2	- 5·4	37	- 5
	†Swarraton (Ventnor) .. ℳ	69	37	63·5	43·1	52·6	- 6·8	74	0	3	0·14	- 0·43	43·5	—	39	—
	Tunbridge Wells .. ℳ	69	41	63·6	46·6	54·5	- 5·9	88	0	4	0·35	- 0·19	57·2	+ 9·0	51	+ 8
	†Dungeness (Littlestone) ..	66	44	62·3	50·0	55·7	- 5·0	96	0	5	0·41	+ 0·05	41·6	- 6·3	37	- 6
	Hastings	67	46	62·9	49·6	55·8	- 4·7	97	0	3	0·11	- 0·36	40·1	—	36	—
	Southampton	73	44	66·5	48·5	56·9	- 5·4	104	0	3	0·13	- 0·44	52·4	- 1·9	47	- 2
	†Portland Bill (Worthing) .. (Eastbourne)	61	49	58·9	51·9	55·2	- 5·6	92	0	2	0·07	—	48·9	- 1·4	44	- 1
6. SCOTLAND, W.	†Laudale (Oban)	61	43	59·0	47·6	52·9	- 4·2	76	0	5	1·30	+ 0·18	55·4	—	50	—
	Glasgow	61	43	59·6	47·9	53·3	- 4·0	79	0	4	1·17	+ 0·43	66·5	+ 12·5	59	+ 11
	Dumfries	66	43	61·4	47·9	54·2	- 4·8	85	0	5	1·04	+ 0·34	23·2	- 10·8	20	- 9
	Cally	67	37	62·7	45·0	53·2	- 4·0	78	0	4	0·57	- 0·23	*	*	*	*
	Douglas, Isle of Man	61	45	59·2	47·8	53·1	- 4·2	78	0	4	1·15	+ 0·47	50·6	+ 4·1	44	+ 4
7. ENGLAND, N.W.	Aspatria	63	42	60·2	47·6	53·5	- 4·3	81	0	6	1·06	+ 0·21	27·8	—	24	—
	Newton Rigg	64	42	60·9	46·0	52·9	- 4·2	76	0	6	0·69	+ 0·02	30·0	- 11·8	26	- 10
	Stonyhurst	61	43	57·4	45·8	51·2	- 7·0	64	0	6	1·09	+ 0·17	34·7	- 7·3	30	- 6
	Blackpool .. .. ℳ	60	47	58·1	50·1	53·8	- 5·5	83	0	6	0·50	- 0·15	52·5	+ 9·1	45	+ 8
	Manchester, Prestwich ..	65	40	59·3	45·0	51·7	- 6·8	68	0	6	1·00	+ 0·21	31·5	- 6·0	27	- 5
	†Liverpool Obs. (Hoylake) ..	62	48	58·7	49·7	53·9	- 5·9	83	0	4	0·55	- 0·08		—		—
	†Hawarden Bridge (Southport)	64	48	60·3	49·2	54·4	- 5·8	87	0	4	0·50	- 0·02	49·1	+ 3·5	42	+ 3
NORTH WALES	Llandudno .. .. ℳ	62	49	59·6	49·7	54·3	- 5·8	86	0	4	0·55	- 0·01	48·9	+ 5·8	43	+ 5
	†Holyhead (Aberdovey) ..	62	49	59·3	50·0	54·3	- 4·2	86	0	4	0·42	- 0·14	43·9	—	39	—
	Bettws-y-Coed	65	39	60·4	46·9	53·2	- 6·8	78	0	3	0·64	—	38·5	—	34	—
8. SOUTH WALES	Llangammarch Wells	63	34	59·1	42·5	50·2	- 8·5	57	0	4	0·61	—	35·6	—	32	—
	Pembroke	59	48	57·4	49·9	53·4	- 4·9	80	0	5	0·54	- 0·03	59·2	+ 10·8	52	+ 10
	†Cardiff (Aberystwyth) ..	65	40	61·7	44·0	52·2	- 8·8	71	0	3	0·20	- 0·54	42·5	—	37	—
8. ENGLAND S.W.	Clifton	67	46	62·4	49·6	55·6	- 6·3	95	0	4	0·33	- 0·32	52·2	—	46	—
	†Shaftesbury (Marlborough) ℳ	66	43	62·0	45·9	53·4	- 6·0	80	0	3	0·11	- 0·51	43·9	+ 1·2	39	+ 1
	†Arlington (Newquay)	63	41	59·6	46·1	52·4	- 6·2	78	0	3	0·74	- 0·16	61·8	+ 13·5	55	+ 12
	Cullompton .. .. ℳ	69	38	64·5	44·3	53·7	- 6·9	82	0	2	0·03	- 0·63	49·3	+ 6·0	44	+ 5
	Plymouth	62	45	59·1	49·4	53·9	- 7·2	83	0	4	0·13	- 0·50	59·9	+ 12·3	54	+ 11
	Falmouth .. .. .. (Torquay)	66	47	60·9	48·7	54·4	- 5·7	87	0	4	0·26	- 0·40	58·6	+ 7·2	53	+ 7
9. IRELAND, N. — Western part.	Malin Head	60	47	57·1	49·3	52·9	- 3·6	76	0	5	0·73	+ 0·13	55·3	+ 3·7	49	+ 3
	Edenfel												*	*	*	*
	Blacksod Point	60	43	57·7	48·9	53·0	- 4·9	77	0	5	0·79	+ 0·13	*	*	*	*
	Markree Castle	63	37	59·9	46·3	52·6	- 4·5	74	0	5	0·56	- 0·21	34·2	+ 3·5	30	+ 3
9. IRELAND, N. — Eastern part.	Armagh	63	41	61·7	46·8	53·7	- 4·2	82	0	5	0·79	+ 0·09	29·1	- 5·4	25	- 5
	Donaghadee	64	43	60·0	47·3	53·2	- 4·1	78	0	4	1·41	+ 0·77	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	67	44	63·2	49·3	55·8	- 4·3	97	0	5	0·30	- 0·26	40·6	+ 0·2	35	0
	Kilkenny	65	43	63·1	46·9	54·4	- 4·5	87	0	3	0·42	- 0·18	*	*	*	*
	Waterford	66	44	63·3	48·0	55·1	- 4·4	92	0	4	0·51	- 0·20	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	65	39	61·1	46·3	53·2	- 5·1	78	0	5	1·30	+ 0·65	33·6	+ 1·1	29	+ 1
	Foynes	63	41	60·6	48·7	54·2	- 3·8	85	0	5	0·49	- 0·15	*	*	*	*
	Killarney	68	39	62·9	47·4	54·6	- 3·8	88	0	6	0·33	- 0·39	*	*	*	*
	Valencia	60	40	58·3	49·0	53·3	- 5·4	79	0	4	0·44	- 0·48	41·2	+ 4·8	37	+ 4
	†Roches Point (Ballinacurra) ..	63	48	60·4	49·9	54·8	- 4·7	90	0	4	0·23	- 0·48	42·4	—	38	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	63	53	60·3	54·4	57·1	- 3·0	106	0	2	0·04	- 0·49	64·3	+ 12·9	58	+ 12
	†Jersey, St. Aubins (St. Hellers)	67	44	62·7	49·4	55·6	- 6·4	95	0	2	0·04	- 0·47	72·8	+ 16·7	66	+ 15
	Guernsey	65	49	62·8	50·4	56·2	- 4·4	99	0	2	0·10	- 0·43	75·0	+ 17·3	68	+ 16

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 40·5 hrs., 36 %; Brighton, 58·0 hrs. (+ 5·3), 52 % (+ 5 %); Bournemouth, 54·8 hrs., 49 % Bognor, 54·8 hrs., 49 %; Rhyl, 50·2 hrs., 44 %; Tenby, 56·2 hrs. (+ 7·0), 50 % (+ 6 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	50·2
	Crathes	0	33	54·8	52·0
	Balmoral	0	34	—	—
	Marchmont ..	—	—	54·1	—
2.	Cockle Park	0	37	53·1	51·1
	York	—	—	54·0	52·5
	Hull	0	36	55·3	53·0
	Lincoln	—	—	56·0	54·0
3.	Lowestoft	—	—	59·7	56·4
	Cambridge	0	33	57·7	56·0
	Dunmow	0	37	—	—
	Clacton-on-Sea ..	0	36	58·4	56·6
4.	Harrogate	0	34	52·8	51·8
	Sheffield	0	34	54·5	51·9
	— — ..				
	Birmingham	0	32	50·6	50·0
	Nottingham	0	37	55·0	54·1
	— — ..				
5.	Kew	0	34	57·6	55·0
	Canterbury	0	43	57·2	56·2
	Portsmouth	0	38	59·9	57·9
	Wisley	0	34	57·7	55·7
6.	— — ..				
	Glasgow	0	35	—	—
	— — ..				
7.	Newton Rigg ..	0	39	56·3	52·0
	Southport	0	38	60·6	58·3
	Manchester City ..	0	39	54·6	53·8
	Bettws-y-Coed ..	0	38	53·3	51·1
	— — ..				
8.	Llangammarch Wells	2	27	54·1	52·0
	Bath	—	—	58·7	57·1
	Plymouth	0	41	58·3	—
	— — ..				
9.	Armagh	0	36	56·9	54·1
	Markree Castle ..	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	33	56·5	54·4
11.	Guernsey, Brooklyn	0	40	60·5	57·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	49	49·6
	Kirkwall	53	50	51·7
	Wick	51	50	50·4
SCOTLAND, E.	Cromarty	51	50	50·9
	Pennan Bay	54	49	52·1
	Aberdeen, Cove Bay ..	53	45	51·1
ENGLAND, N.E.	Burnmouth, Berwick ..	52	49	50·6
	Scarborough	56	50	52·5
ENGLAND, E.	Shipwash Lightship ..	59	56	57·2
	Margate	60	57	58·5
ENGLAND, S.E.	Eastbourne‡	60	58	58·9
SCOTLAND, W.	Lamlash	58	50	53·1
	Ballantrae	55	51	53·4
ENGLAND, N.W.	Port Erin	57	53	54·0
ENGLAND, S.W.	Newquay	58	57	57·5
	Plymouth‡	56	55	55·6
	Salcombe	56	55	55·2
IRELAND, N.W.	Sheephaven	57	55	55·8
	Ballyglass	59	53	55·5
IRELAND, S.W.	Cleggan	59	54	56·2
	Seafield	60	56	57·8
IRELAND E.	Kingstown‡	56	54	54·6

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

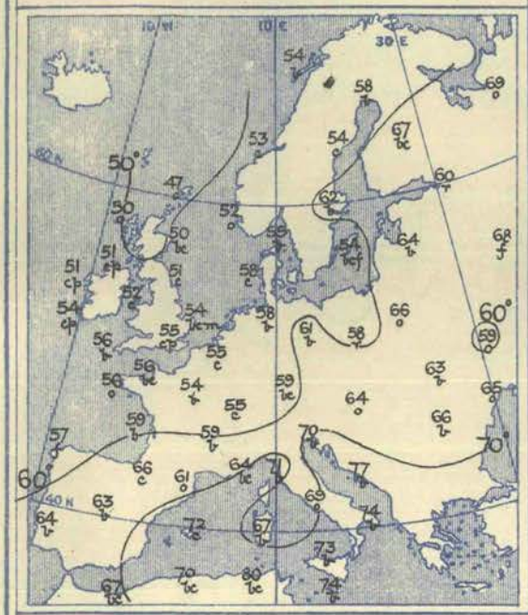
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

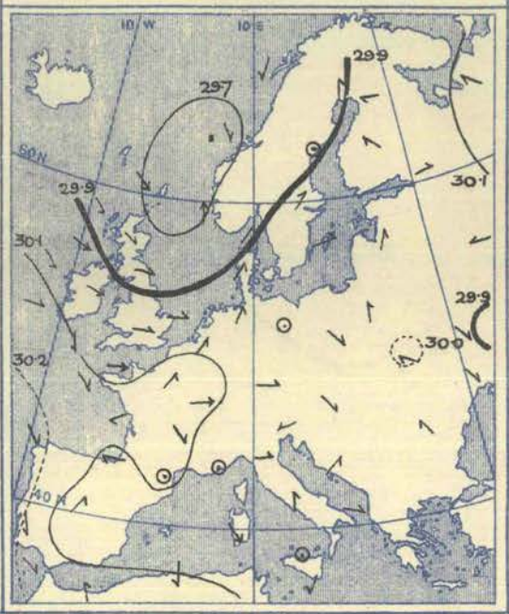
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 7th July, 1907.

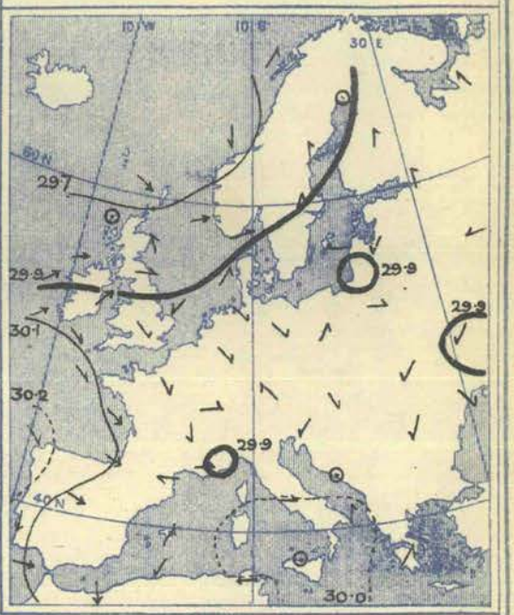
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rather showery in some parts of these Islands and rainy at Breslau and Neu-Fahrwasser, as well as at St. Petersburg; fair or fine in almost all other regions, but overcast at some stations. Rain experienced later in the western and northern districts of these Islands, over France, the north of Italy, Germany, and many localities in Russia and Scandinavia. More than an inch at Wisby and Neu-Fahrwasser and at several French stations. Thunderstorms occurring at Perpignan and Skagen.

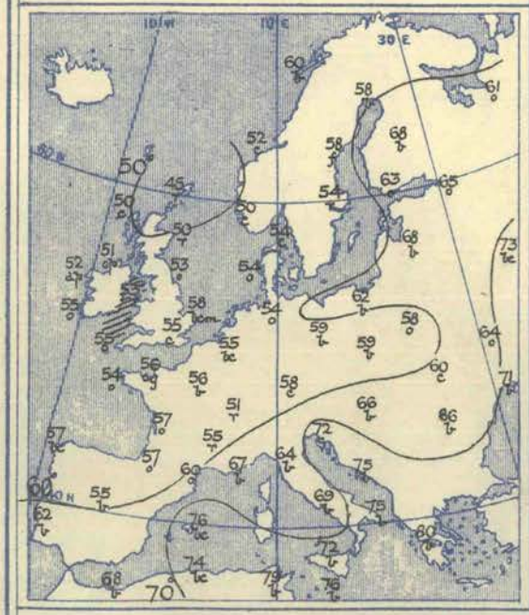
Temperature changed irregularly. Readings in morning below 55° over the north of France and the greater portion of this country, about 60° over a large part of the Continent, nearly 70° over eastern and northern Russia, and above 70° over most of southern Europe. Maxima during day 100° at Tunis, 90° in Greece, 88° at Brindisi, and above 80° in many other southern regions. Below 60° at several of our own stations, but above 70° in the north of Sweden and as high as 77° at St. Petersburg.

Wind in morning circulating cyclonically over the north-western countries, but no force stronger than a moderate breeze reported. Light anticyclonic airs prevailing both in the south-west and north-east of our area. Backing from North-West towards South-West along our west coasts by evening, but remaining of moderate force.

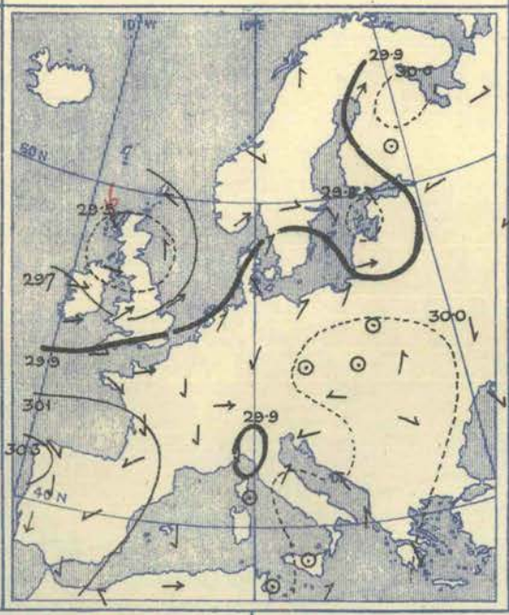
Barometer in morning above 30·2 ins. in Portugal and above 30·3 ins. at the Azores. Below 29·7 ins. in a large depression having its minimum off the west of Norway, and relatively low over southern Russia and northern Italy. Above 30·1 ins. over the north and north-east of Russia. A fresh fall of the mercury setting in during day in the north and north-west of these Islands, and some depressions developing in different parts of the Continent. South-western high-pressure system maintaining its position, but barometer falling somewhat over northern Russia.

Monday, 8th July, 1907.

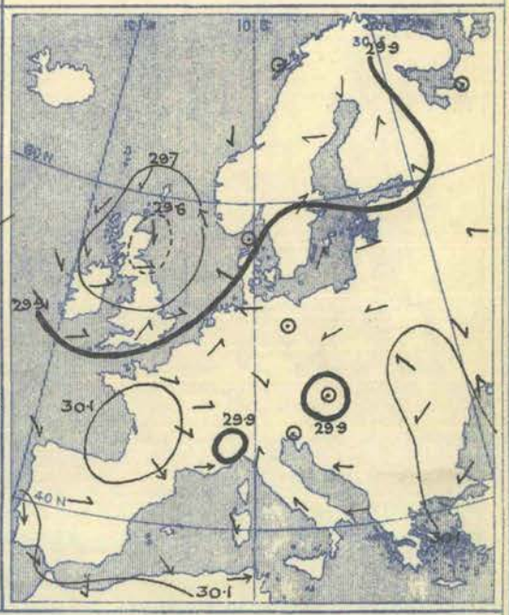
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of southern Europe, but rainy in the south of France; unsettled over Scandinavia and the United Kingdom, with rain or passing showers in several places. Thunderstorms later at North Shields and Haparanda, and more or less rain over our Islands and the northern and north-western countries generally, as well as in northern Italy.

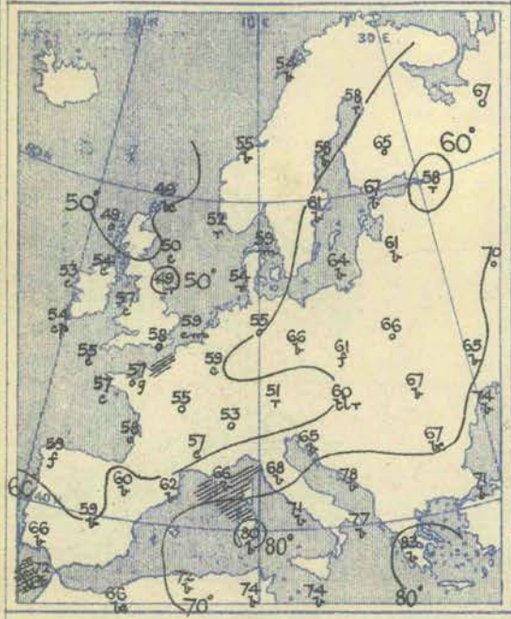
Temperature showing no general change, fallen in the Spanish Peninsula and over a large portion of France. Morning readings again very low for the time of year over our Islands and the neighbouring countries—no higher than 43° at Nairn. Above 70° at Moscow and in many Mediterranean localities, and 80° at Athens. Maxima during day below 60° in many parts of these Islands, and only 51° at Nairn and 55° at Birmingham. Thermometer rising to 93° at Athens, 90° at Cagliari, above 80° in many other southern regions, to 79° at Haparanda, and to 77° at St. Petersburg.

Wind in morning showing a complete cyclonic circulation around Scotland; light or moderate in force generally, but South-Westerly current fresh or strong over the Irish Sea. Light and anticyclonic in nearly all other parts of our area. No change of importance occurring later in day.

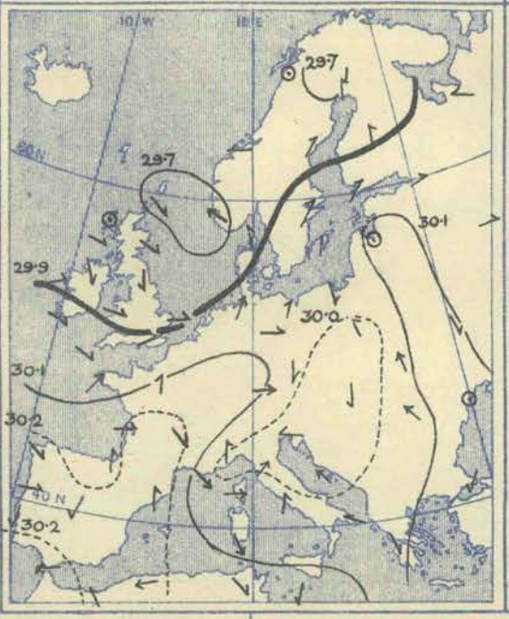
Barometer in morning above 30·2 ins. over the north-west of the Spanish Peninsula, and relatively high over the south-east of Europe; below 29·6 ins. in a well-defined depression having its centre over the west of Scotland, and less than 29·9 ins. in a small minimum near Turin. Scottish depression travelling eastwards later. Little modification taking place in the general distribution of pressure, but barometer falling over the Spanish Peninsula and rising over France.

Tuesday, 9th July, 1907.

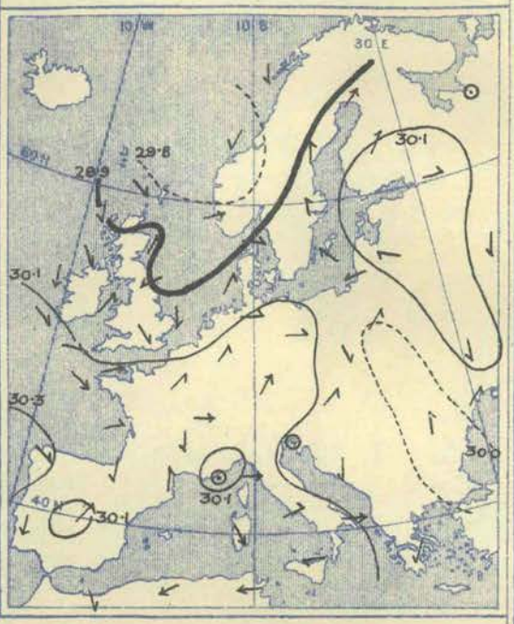
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at nearly all places in the south of our area and at several stations in Scandinavia. Cloudy and unsettled in most other regions, with rain or passing showers in places and a thunderstorm at Buda-Pesth. Rain, generally in small amounts, experienced later over the United Kingdom, and heavier quantities in Norway, at some stations in Austria-Hungary, and at Moscow and Warsaw.

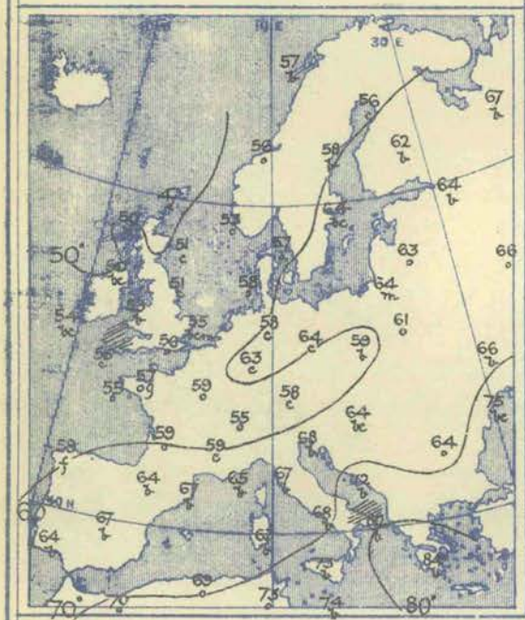
Temperature changed rather irregularly. Readings in morning only 49° or 50° over the northern parts of these Islands and below 55° at some French stations, but nearly 70° in the north of Russia, above that point at most southern stations, and as high as 82° at Cagliari. Maxima during day only 52° at North Shields, below 60° at many of our other stations, and less than 65° over this country generally. Thermometer rising to above 80° over the Mediterranean region; highest values 90° or 91° in Greece and at Brindisi, and 101° at Tunis.

Wind in morning varying considerably locally, but mainly cyclonic except in the south-west of our area. Light or moderate as a whole, but fresh from West or South-West over the English Channel, and fresh or strong from South-East beyond the North Sea. Veering somewhat over our Islands and on the eastern shores of the North Sea during day and decreasing in force. Becoming rather stronger at some Mediterranean stations.

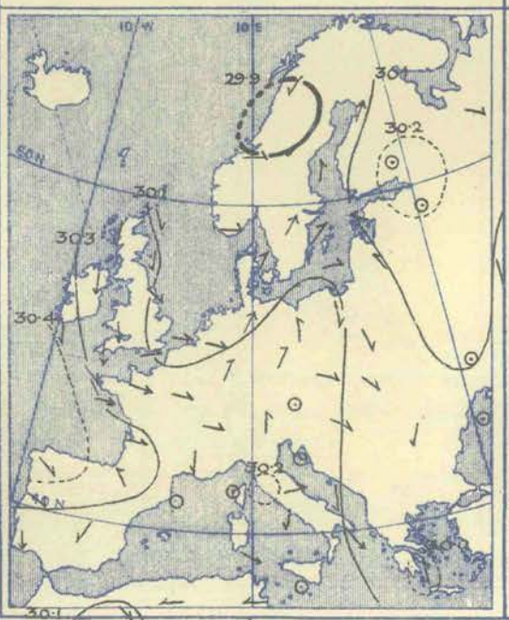
Barometer in morning above 30·3 ins. in an irregularly shaped area covering the Spanish Peninsula and a large portion of France. Below 29·7 ins. in a depression having its centre over the upper part of the North Sea and in another system over Lapland, and relatively low in an ill-defined low-pressure system over a part of central and southern Europe. Disturbances travelling eastwards during day and barometer rising over the whole of the United Kingdom, most in the west and north, least in the east and south. Pressure becoming rather irregular over the North Sea and our eastern counties by evening.

Wednesday, 10th July, 1907.

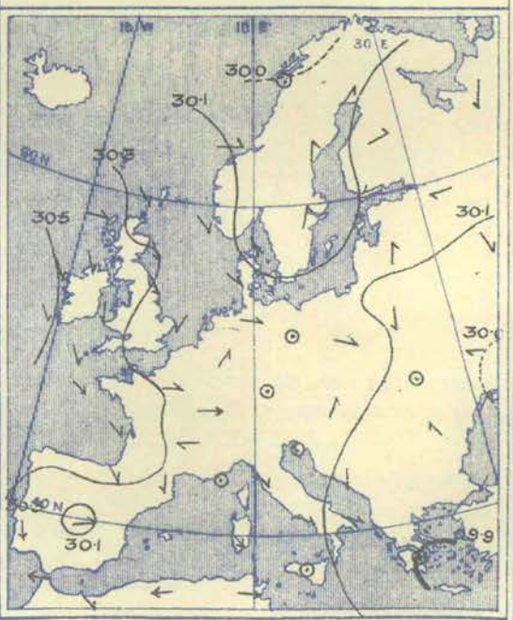
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast over most parts of Great Britain and the adjacent portion of the Continent; fine and bright in Ireland and at nearly all stations in the south, east, and north of our area. Thunderstorms later at Llandudno and over the south-east of England, and rain falling over the central countries and Norway, as well as in some parts of France and Russia. Largest amounts about an inch at Clacton-on-Sea and Hermanstadt.

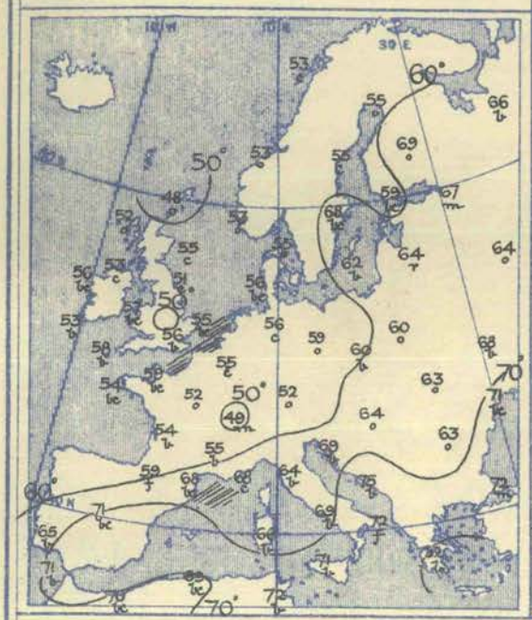
Temperature in morning showing a fall in most regions. Readings ranging from 84° at Athens and above 70° over the south of Europe generally, to below 55° over the major portion of these Islands, and to 47° in Shetland. Between 65° and 70° over almost the whole of Russia. Maxima during day again below 60° over a large portion of these Islands and only 55° at Birmingham. Thermometer only about 50° or slightly above it during the afternoon and evening in London. Maxima above 80° in southern Europe and as high as 95° at Madrid, 99° at Athens, and 100° at Tunis.

Wind in morning fresh or strong from the Northward on the coast of Wales, and light or moderate from that quarter over Ireland and Scotland. Light from the Westward over the greater part of England and the Channel. Light anticyclonic airs prevailing over the south-west and north-east of our area. No great change later; Northerly current spreading to England.

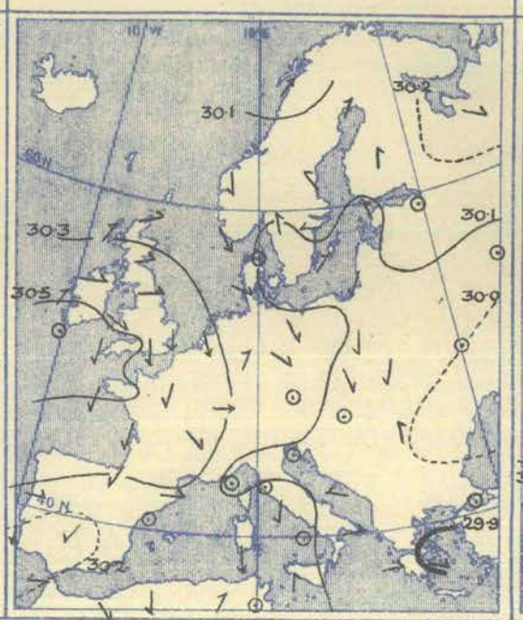
Barometer in morning above 30·4 ins. to the south-westward of these Islands, and above 30·2 ins. in an anticyclonic system in the far north-east. Below 29·9 ins. in a depression over the north-west of Norway, and relatively low over the North Sea and the east and south-east of England. Pressure increasing very generally over these Islands and western Europe later, and an anticyclone extending over the United Kingdom and the Bay of Biscay from the Atlantic.

Thursday, 11th July, 1907.

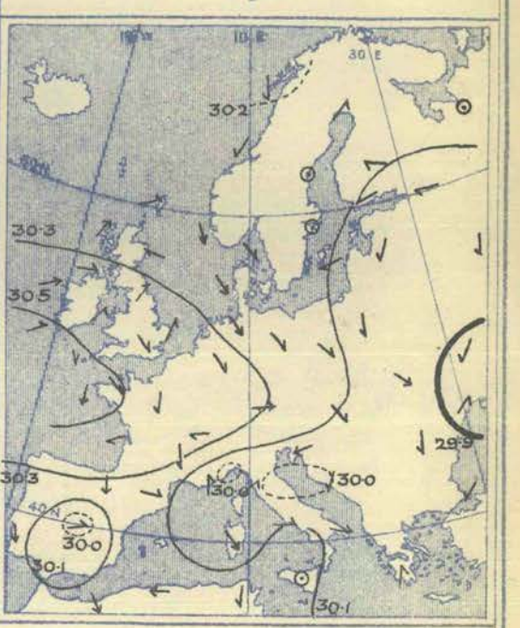
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine very generally, but cloudy or dull in northern Scotland and some parts of northern Europe, with rain in a few places. Heavy rain later over Germany, Poland, and the adjacent part of Russia, a few slight falls in some other regions on the Continent and also in Scotland.

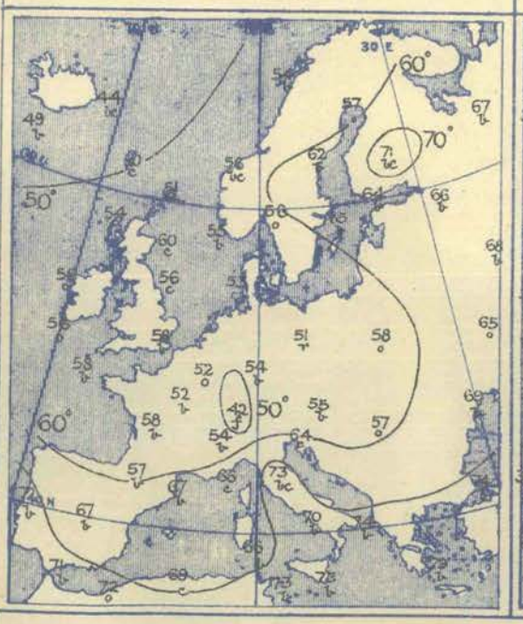
Temperature changed little and irregularly. Readings in morning 82° at Athens and between 70° and 80° at many stations in southern Europe. Below 55° over the greater part of these Islands and France, as well as western Germany, and less than 50° in places. Above 65° in the north of Russia and as high as 69° at Kuopio. Maxima during day above 60° at most of our own stations and as high as 67° at Bath. Maxima above 90° at some stations in the extreme south, and above 80° over the Mediterranean region generally. Highest reading 99° at Madrid.

Wind in morning showing an anticyclonic movement over the United Kingdom and its neighbourhood; light and rather variable elsewhere, but generally cyclonic except in the far north-east. Little change of importance during day. Cyclonic movement becoming more decided over southern Europe.

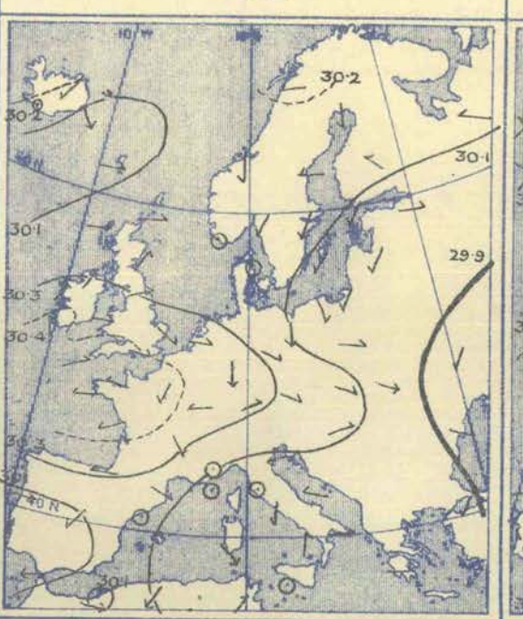
Barometer in morning above 30·5 ins. in a high-pressure system extending over our south-western districts from the Atlantic, and above 30·2 ins. over the White Sea, to below 30·0 ins. over the Black Sea, and to less than 29·9 ins. over the Archipelago. Relatively low over the north of Italy and the Gulf of Genoa, and also in the extreme north-west of our area. Pressure beginning to fall again over these Islands and anticyclone moving slowly in a southerly direction. Barometer falling somewhat over Italy and its neighbourhood, and an ill-defined depression appearing in that region.

Friday, 12th July, 1907.

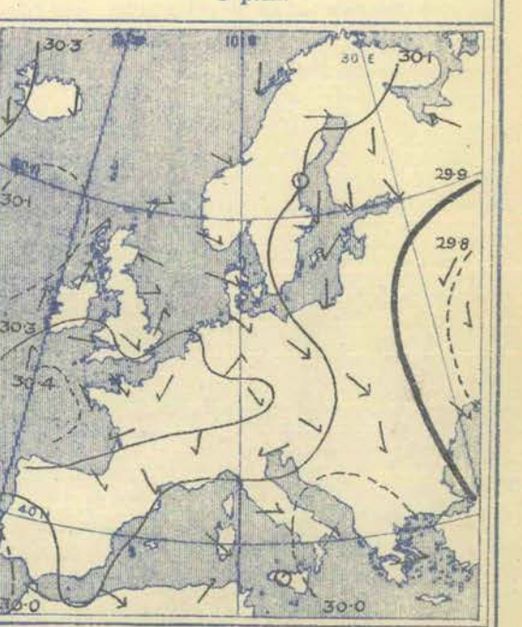
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but rain falling at Berlin, Leghorn, and at some stations in Iceland, and sky cloudy or overcast on our extreme north and north-west coasts and over a considerable portion of Germany. Rain falling later in the west and north of our Islands, as much as 0·9 in. at Donaghadee, where thunder occurred. Various amounts also experienced in several parts of the Continent.

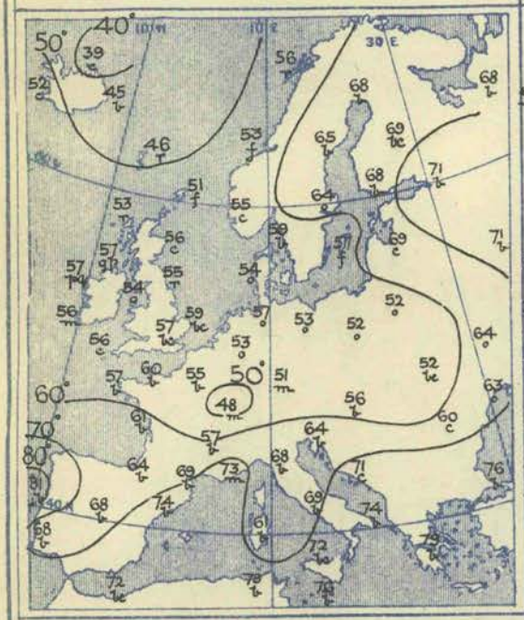
Temperature risen over the United Kingdom and in several parts of northern Europe. Readings in morning ranging from nearly 80° at some stations in the far south and south-east of our area, and not much below 70° in Russia to below 56° at most of our own stations and to below 50° at Belfort, Aix-la-Chapelle and in Iceland. Thermometer rising to 68° during day at Nottingham and in London, and to 65° or above at many of our other stations. Maxima above 80° very generally over southern Europe, and above 90° in places.

Wind in morning mainly anticyclonic over our Islands and their vicinity and cyclonic elsewhere. Very light generally, but a strong breeze from North-West prevailing at Cagliari. Little general change later, but a South-Westerly current encroaching on our western coasts.

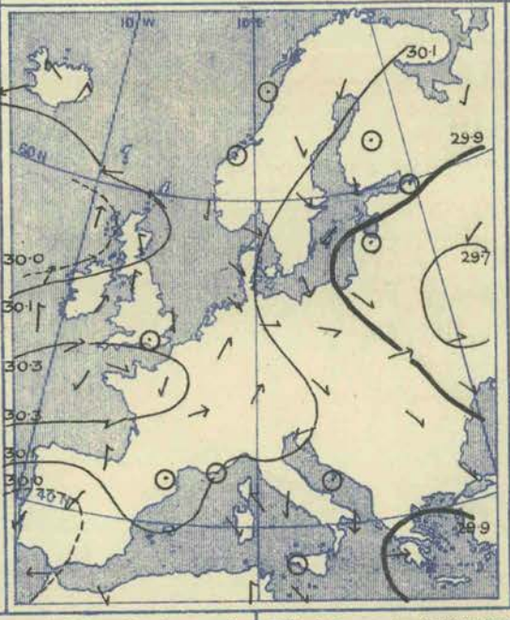
Barometer in morning highest, 30·4 ins. and upwards, over the south of these Islands, most of France, and the neighbouring portion of the ocean. Lowest, less than 30·1 ins. in a depression off the north of these Islands and in another system over the Spanish Peninsula, and below 29·8 ins. in a deeper disturbance over the south of Russia. Pressure giving way slowly during day over all the western countries—most on our north-west coasts—and anticyclone moving southwards. Barometer rising in Iceland and the Faroe Islands.

Saturday, 13th July, 1907.

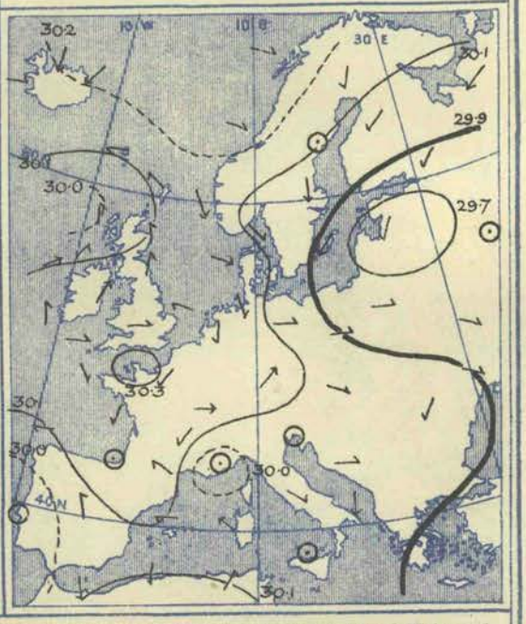
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning dull, with rain in places in the west and north of these Islands, as well as over Germany and the adjacent portion of Russia. Fair or fine and bright both in the south and north of our area and in the south-east of England. Some rain experienced later in most parts of the United Kingdom, and heavy falls in Germany, Poland, and at some Austrian stations. Largest measurement 2·4 ins. at Breslau.

Temperature risen over northern Europe, changed irregularly as a whole. Morning readings nearly 80° at some stations on the shores of the Mediterranean; only about 50° over a large portion of central Europe, but above 70° at St. Petersburg and Moscow; between 54° and 50° over the United Kingdom and below 40° at Grimstadir. Rising later to above 90° in the Spanish Peninsula, to nearly as high a figure in Greece, and to between 80° and 90° in the south generally. Maxima higher than of late over these Islands; above 65° in several places, and 69° in London.

Wind in morning light to fresh from between South and South-West over Ireland, Wales, and Scotland and moderate from East in Iceland. An extensive cyclonic movement shown over Russia and the neighbouring parts of central Europe, and an anticyclonic circulation over France. Northerly current increasing in force later on the shores of the Baltic and blowing a gale at Neu-Fahrwasser.

Barometer in morning ranging from above 30·3 ins. over the north of France and the English Channel, to below 29·0 ins. in a depression off our north-west coasts, and to below 29·7 ins. in a depression over Russia. Above 30·2 ins. in a large area between Norway and Iceland. Anticyclone decreasing somewhat in intensity during day, but little modification occurring in the general distribution of pressure. Depression off our north-west coasts moving away to the westward or becoming less deep.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟩⟶ = a gale; ⟶ = a fresh to strong breeze, ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
July 8th, 10.45 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	53°	45°	[36°]				One kite, 77 sq. ft.; 6,260 ft. wire. Max. height, 4,500 ft. Cloud level, 4,200 ft. Getting colder during the ascent.
		Humidity	80%	88%	95%	[100%]				
		Wind Velocity, m. per hr.	SW by S, 17	SW, 30	SW, 28	[SW, 33]				
July 9th, 3.3 p.m. to 4.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	55°	45°					Max. height, 4,000 ft. Curious development of black clouds in NW at commencement of ascent. Nearly calm with strong up-draught at end. Surface wind changed from SW to N. Cloud motion unaltered. Temperature fell from 64° to 55°. Slight rain an hour later.
		Humidity	75%	90%	100%					
		Wind Velocity, m. per hr.	WSW, 16	—, 25	W by S, 30					
July 12th, 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								10-in. diameter pilot balloon. Two theodolites. Ascensional velocity very irregular, and hence the last observation, which depends on only one theodolite, is doubtful. Lost behind cloud at 5,500 ft.
		Humidity								
		Wind Velocity, m. per hr.	WNW, 7	NW by N, 9	NW, 10	NW, ?13				
July 13th, 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								10-in. balloon. Two theodolites. Mean ascensional velocity to 2,200 ft., 200 ft. per min. Same velocity assumed to continue.
		Humidity								
		Wind Velocity, m. per hr.	SW, 10	WNW, 12	W, 6	NW, 8	NW, 10			
Arrear from Report No. 26.										
June 26th, 7.20 p.m. to 8.10 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	55°	53°	47°					One kite, 77 sq. ft.; max. wire, 3,500 ft. Max. height, 3,885 ft. Min. temp. 45° Overcast, gusty wind. At 8.10 p.m. wind rose to 52 m. per h., when kite broke away.
		Humidity	98%	98%	98%					
		Wind Velocity, m. per hr.	SSW, —	WSW, 34	WSW, 37					

63, Victoria Street, London, S.W. *July 17th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 29. TWENTY-NINTH WEEK, ENDING SATURDAY, JULY 20TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was very fine, especially in the western districts, where the amount of bright sunshine was much greater than in the east and the atmosphere was consequently warmer. Thunder and lightning occurred in several parts of Ireland on Thursday, Friday, and Saturday; on the last-mentioned day it extended also to Wales and the west of England. Lightning was seen at Epsom on the evenings of the 15th and 18th.

Temperature was above the average generally, the excess amounting to 7° in Ireland S. and to nearly 8° in Scotland W. In England N.E., however, the excess was only 0°·5, while in England S. there was a deficit of 0°·1 and in England E. of 1°·3. The highest readings were mostly registered on Tuesday in Scotland, and later at the majority of stations in England and Ireland. In Scotland N. (at Lairg) the thermometer rose to 86°, and in Scotland W. and Ireland S. (at Killarney on Thursday) to 85°, while elsewhere the maxima varied from 84° in Scotland E. to 76° in England N.E. During the later days of the week the maxima were below 60° at some stations on the east and north-east coasts of Britain. The lowest of the minima, which occurred as a rule rather late in the week, ranged from 40° in Scotland N. and England E. to 48° in England N.W. and the English Channel and to 51° in Ireland.

Mean Temperature of the Sea.—The water was much warmer than during the preceding week, the increase of temperature amounting to more than 4° in some places. The actual values for the week ranged from 61°·7 at Eastbourne, 61°·1 at Margate and Seafield, and about 60° on the N.W. coast of Ireland and at Newquay to 51°·3 at Lerwick and to 50°·8 at Wick.

Rainfall was below the average very generally. Over a large part of Great Britain the week was rainless.

Bright Sunshine exceeded the average in all districts, the percentage of the possible duration ranging from 73 in the English Channel, 67 in England S.W., 58 in England S. and 57 in England N.W. to 42 in Scotland E. and to 39 in England N.E.

Barometer and Wind.—The general distribution of pressure was anticyclonic throughout, the central space of the system being found usually over the northern parts of the United Kingdom. The winds were light and variable, but more often blew from some point between N. and E. than from any other quarter. By the end of the week the anticyclone was moving away slowly to the northward of this country.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 220.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Moderate
	Rainfall ...	Nought	Very light	Very light	Nought	Nought	Nought	Very light	Very light	Nought	Very light	Light	Nought
	Sunshine ...	Very abundant	Abundant	Moderate	Moderate	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 7 weeks from June 2nd.	Warmth ...	2*5	1*5	1*5	1*4	1*5	0*5	1*5	1*5	1*5	1*4	1*4	1*5
	Rainfall ...	4*1	2*1	2*1	1*2	2*1	3*2	3*1	4*1	4*2	4*1	3*1	2*3
	Sunshine ...	1*5	1*4	0*2	0*3	1*4	2*3	1*4	0*3	1*3	1*2	1*4	2*4

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5

6276/370 Wy. & S. Ltd. 7—07

II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 227.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (29th)—July 14th to 20th, 1907.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	86	40	68·1	50·7	58·8	+ 4·3	118	+ 30	0	0	0	- 5	0·00	-0·72	55	+ 26	46	+21
Eastern																		
1 SCOTLAND, EAST	84	42	68·2	50·8	58·9	+ 2·1	118	+ 14	0	0	1	- 3	0·07	-0·61	50	+ 14	42	+12
2. ENGLAND, N.E.	76	47	66·7	52·7	59·2	+ 0·5	120	+ 3	0	0	1	- 2	0·01	-0·53	44	+ 7	39	+ 6
3. ENGLAND, EAST	77	40	67·4	52·4	59·4	- 1·3	122	- 9	0	0	0	- 3	0·00	-0·62	53	+ 6	47	+ 6
4. MIDLAND COUNTIES	82	44	73·7	53·1	62·7	+ 2·6	145	+ 18	0	0	0	- 3	0·00	-0·58	52	+ 12	46	+10
5. ENGLAND, SOUTH	81	47	70·8	53·4	61·5	- 0·1	137	0	0	0	0	- 3	0·00	-0·55	64	+ 17	58	+15
Western																		
6. SCOTLAND, WEST	85	47	75·2	55·9	64·9	+ 7·7	160	+ 55	0	0	1	- 3	0·03	-0·78	64	+ 26	55	+23
7. ENGLAND, N.W.	81	48	72·5	55·2	63·2	+ 4·2	148	+ 29	0	0	1	- 3	0·02	-0·70	65	+ 25	57	+22
8. ENGLAND, S.W.	82	45	74·0	54·9	63·8	+ 3·8	153	+ 27	0	0	0	- 4	0·00	-0·75	74	+ 29	67	+26
9. IRELAND, NORTH	81	51	70·2	55·3	62·3	+ 4·9	142	+ 34	0	0	1	- 4	0·01	-0·79	57	+ 27	50	+24
10. IRELAND, SOUTH	85	51	75·5	57·9	66·1	+ 7·0	169	+ 49	0	0	1	- 4	0·16	-0·56	60	+ 26	54	+23
11. ENGLISH CHANNEL	78	48	70·1	56·2	62·7	+ 1·2	145	+ 8	0	0	0	- 4	0·00	-0·57	80	+ 27	73	+25
THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, June 2nd to July 20th, 1907.																		
0. SCOTLAND, NORTH	86	33	*	*	*	*	450	-102	1	+ 1	36	+ 8	5·84	+1·26	192	- 49	22	- 6
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	496	-159	0	0	34	+10	4·97	+1·28	222	- 57	26	- 7
2. ENGLAND, N.E.	76	35	*	*	*	*	612	-113	0	0	29	+ 8	3·33	+0·14	264	- 17	32	- 2
3. ENGLAND, EAST	77	37	*	*	*	*	695	-122	0	0	22	+ 2	2·45	-1·01	283	- 57	35	- 7
4. MIDLAND COUNTIES	82	37	*	*	*	*	630	-174	0	0	31	+11	3·74	+0·29	261	- 45	33	- 6
5. ENGLAND, SOUTH	81	37	*	*	*	*	689	-168	0	0	23	+ 4	2·55	-0·61	311	- 37	39	- 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	579	-108	0	0	35	+10	7·05	+1·74	233	- 64	28	- 8
7. ENGLAND, N.W.	81	37	*	*	*	*	608	-150	0	0	37	+14	6·46	+2·45	259	- 51	32	- 6
8. ENGLAND, SW	82	34	*	*	*	*	629	-170	0	0	32	+ 9	5·13	+1·12	304	- 46	38	- 6
9. IRELAND, NORTH	81	37	*	*	*	*	562	-138	0	0	37	+ 8	6·29	+1·67	234	- 19	29	- 2
10. IRELAND, SOUTH	85	37	*	*	*	*	662	-112	0	0	35	+10	5·17†	+0·82	257	- 24	32	- 3
11. ENGLISH CHANNEL	78	44	*	*	*	*	727	-124	0	0	25	+ 2	2·50	-0·70	367	- 30	47	- 4
THE YEAR.—Aggregates, &c., for the period of 29 Weeks, December 30th, 1906, to July 20th, 1907.																		
0. SCOTLAND, NORTH	86	8	*	*	*	*	853	-129	522	- 21	148	+16	29·06	+5·37	695	- 53	26	- 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	960	-229	599	+ 11	114	+ 6	15·50	+1·10	815	- 27	31	- 1
2. ENGLAND, N.E.	82	15	*	*	*	*	1206	- 71	501	+ 26	107	+ 9	12·13	+0·46	921	+ 93	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	1354	-154	518	- 3	99	+ 4	11·15	-0·73	967	- 8	37	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	1315	-208	540	+ 7	105	+11	12·89	-0·24	852	- 20	33	- 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	1405	-219	434	+ 53	93	+ 3	11·74	-1·03	1002	+ 23	38	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1147	-128	404	- 6	125	+11	26·66	+3·32	783	- 87	30	- 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1204	-178	418	+ 32	123	+19	18·31	+2·02	862	- 24	33	- 1
8. ENGLAND, S.W.	82	5	*	*	*	*	1294	-270	396	+ 95	119	+16	18·57	+0·45	947	- 76	36	- 3
9. IRELAND, NORTH	81	16	*	*	*	*	1150	-210	292	- 53	139	+15	22·47	+3·87	763	- 50	29	- 2
10. IRELAND, SOUTH	85	11	*	*	*	*	1434	-159	256	- 3	133	+22	17·56†	-2·33	848	- 54	32	- 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	1573	-197	96	- 13	104	- 6	12·84	-2·28	1078	- 83	42	- 3

† The corresponding figures for some previous weeks slightly altered owing to the receipt of further information.

July 14-20, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
DISTRICTS.		NAMES OF STATIONS.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	60	46	56·9	48·4	52·4	− 0·3	73	0	1	0·01	− 0·54	36·6	+ 5·3	20	+ 4
		Stornoway	74	48	65·4	51·3	57·9	+ 3·4	111	0	0	0·00	− 0·63	63·4	+ 30·9	53	+ 26
	Mainland.	Wick	71	40	61·9	48·9	55·0	+ 0·1	91	0	0	‡0·01	− 0·69	*	*	*	*
		†Lairg (Strathpeffer) .. 𝔐	86	42	75·1	49·4	61·4	+ 6·6	136	0	0	0·00	− 0·70	59·3	+ 30·2	50	+ 25
		Glencarron	79	44	73·4	51·5	61·7	+ 7·0	138	0	0	0·00	− 1·27	*	*	*	*
		Fort Augustus	77	45	68·2	51·3	59·2	+ 2·7	120	0	0	0·00	− 0·67	60·4	+ 37·9	51	+ 32
		Fort William .. .. 𝔐	82	50	75·8	54·1	64·2	+ 7·5	155	0	0	0·00	− 1·18	*	*	*	*
1. SCOTLAND, E.		Nairn	76	45	66·9	48·9	57·3	+ 0·3	107	0	0	0·00	− 0·63	66·1	—	56	—
		Aberdeen	76	48	65·1	51·7	57·9	+ 1·2	111	0	0	0·00	− 0·66	59·6	+ 23·0	50	+ 19
		†Balmoral (Crathes) .. 𝔐	75	42	70·4	47·1	57·9	+ 3·4	111	0	1	0·04	− 0·60	45·1	—	38	—
		†Crieff (Balruddery) .. 𝔖	84	50	73·9	53·3	62·9	+ 4·7	146	0	2	0·40	− 0·32	30·4	—	26	—
		†Leith (Edinburgh)	79	50	65·7	53·9	59·4	+ 0·8	122	0	0	0·00	− 0·63	50·7	+ 18·2	43	+ 16
		Marchmont .. .. 𝔖 (Saltburn)	78	44	67·3	49·9	58·0	+ 1·4	112	0	0	0·00	− 0·77	45·8	+ 7·5	40	+ 7
		†Alnwick Castle (Cockle Park)	78	48	66·4	52·4	58·9	+ 1·2	118	0	1	0·02	− 0·61	29·2	—	25	—
2. ENGLAND, N.E.	Northern part.	†Shields (Newcastle)	70	49	62·1	50·9	56·1	− 1·8	99	0	0	‡0·01	− 0·60	47·4	—	41	—
		Durham	75	47	66·5	51·4	58·4	− 0·6	115	0	1	0·02	− 0·64	40·2	+ 7·4	35	+ 7
		Scarborough .. .. 𝔐	68	51	63·5	52·9	57·8	− 1·3	111	0	0	0·00	− 0·58	40·9	+ 3·2	36	+ 3
		York	76	50	70·8	54·1	61·9	+ 1·9	139	0	0	0·00	− 0·60	37·1	—	33	—
	Southern part.	Spurn Head	67	52	61·9	54·1	57·7	− 2·4	110	0	1	0·01	− 0·39	42·7	+ 2·7	38	+ 2
		†Lincoln (Skegness)	74	49	70·6	53·4	61·4	+ 0·1	136	0	0	0·00	− 0·54	*	*	*	*
		†Fulbeck (Rauceby)	76	48	72·0	52·2	61·4	+ 1·0	136	0	0	0·00	− 0·56	46·8	—	41	—
3. ENGLAND, E	Northern part.	Hillington .. .. 𝔐	70	40	66·3	48·7	56·9	− 4·0	104	0	0	0·00	− 0·66	51·5	—	46	—
		†Yarmouth (Lowestoft) ..	66	52	62·7	53·7	57·9	− 2·6	111	0	0	0·00	− 0·66	45·6	+ 0·3	41	0
		Geldeston .. .. .. (Cromer)	70	44	66·3	50·4	57·8	− 2·9	111	0	0	0·00	− 0·60	52·9	—	47	—
	Southern part.	Cambridge	74	45	68·9	51·4	59·5	− 2·4	123	0	0	0·00	− 0·55	51·4	+ 3·2	46	+ 3
		Felixstowe	73	45	65·4	52·3	58·4	− 3·2	115	0	1	0·02	− 0·54	37·7	—	33	—
		Clacton-on-Sea	71	51	65·7	53·9	59·4	− 3·2	122	0	0	0·00	—	51·1	+ 3·9	46	+ 4
		Rothamsted	74	50	70·5	52·4	60·8	+ 0·4	132	0	0	0·00	—	55·5	—	50	—
		†Shoeburyness (Southend) ..	72	49	67·7	53·4	60·1	− 2·9	127	0	0	0·00	− 0·58	54·1	+ 5·5	49	+ 5
		London, Westminster .. .. (Dunmow)	77	53	72·9	55·1	63·4	+ 0·2	150	0	0	0·00	− 0·54	56·9	—	53	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	74	44	67·3	49·5	57·8	− 0·3	111	0	0	‡0·01	− 0·63	58·9	+ 18·0	52	+ 16
		†Bawtry (Worksop)	76	49	72·1	55·4	63·2	+ 2·8	148	0	0	0·00	− 0·57	59·5	—	53	—
		Nottingham	75	47	72·4	53·3	62·2	+ 1·3	141	0	0	0·00	− 0·57	43·7	—	38	—
		Birmingham, Edgbaston ..	77	50	73·7	54·7	63·5	+ 3·7	151	0	0	0·00	− 0·58	38·6	+ 1·2	34	+ 1
		Oxford	78	50	73·9	53·3	62·9	+ 1·5	146	0	0	0·00	− 0·57	51·1	—	45	—
	Western part.	†Cheadle (Sheffield) .. 𝔐	76	48	72·3	52·9	61·9	+ 3·6	139	0	0	0·00	− 0·57	51·2	—	46	—
		Shrewsbury	81	49	77·9	53·1	64·6	+ 4·4	158	0	0	0·00	− 0·69	36·5	—	32	—
		Hereford .. .. 𝔐	82	47	77·1	53·3	64·4	+ 3·7	157	0	0	0·00	—	*	*	*	*
		Cirencester	78	48	74·2	52·6	62·7	+ 3·0	145	0	1	0·03	− 0·51	*	*	*	*
		Bath .. .. .. (Margate)	80	49	76·1	52·7	63·6	+ 2·5	151	0	0	0·00	− 0·64	65·9	+ 20·9	59	+ 19
5. ENGLAND, S.		Kew	77	53	72·7	54·7	63·1	+ 1·0	148	0	0	0·00	− 0·60	59·4	—	59	—
		Wisley, Surrey	78	48	74·3	51·4	62·1	− 0·7	141	0	0	0·00	− 0·54	50·3	+ 3·5	45	+ 3
		†Swarraton (Ventnor) .. 𝔐	77	47	72·9	51·3	61·4	+ 1·6	136	0	0	0·00	—	61·7	+ 14·8	56	+ 13
		Tunbridge Wells .. 𝔐	75	49	72·1	52·0	61·4	+ 0·5	136	0	0	0·00	− 0·58	61·4	—	55	—
		†Dungeness (Littlestone) ..	69	48	64·3	54·0	58·8	− 2·5	118	0	0	0·00	− 0·54	70·3	+ 20·7	64	+ 19
		Hastings	75	51	68·9	53·1	60·5	− 0·7	130	0	0	0·00	− 0·37	63·6	+ 16·0	57	+ 14
		Southampton	81	52	75·0	55·4	64·5	+ 1·8	158	0	0	0·00	− 0·49	58·7	—	53	—
		†Portland Bill (Worthing) .. (Eastbourne)	74	54	66·1	55·4	60·4	− 1·1	129	0	0	0·00	− 0·57	73·4	+ 19·1	67	+ 17
6. SCOTLAND, W.		†Laudale (Oban)	79	47	74·3	54·4	63·7	+ 6·5	152	0	0	0·00	− 1·16	73·1	+ 22·6	66	+ 20
		Glasgow	82	51	74·0	55·8	64·3	+ 6·8	156	0	0	0·00	− 0·76	75·2	—	68	—
		Dumfries	85	55	78·8	59·2	63·3	+ 9·2	184	0	1	0·10	− 0·64	75·6	+ 21·6	69	+ 20
		Cally .. .. .. 𝔖	82	49	75·9	54·5	64·5	+ 7·2	158	0	1	0·02	− 0·82	56·9	+ 24·8	49	+ 21
		Douglas, Isle of Man	78	50	73·1	55·7	63·8	+ 6·5	153	0	1	0·01	− 0·71	*	*	*	*
7.	ENGLAND, N.W.	Aspatria	80	48	74·4	54·8	63·9	+ 5·8	153	0	0	0·00	− 0·91	71·2	+ 26·7	63	+ 24
		Newton Rigg	81	50	76·5	54·0	64·5	+ 7·2	158	0	0	0·00	− 0·72	69·8	—	61	—
		Stonyhurst	77	50	72·5	54·6	62·9	+ 4·5	146	0	1	0·07	− 0·88	69·9	+ 29·9	61	+ 26
		Blackpool .. .. 𝔐	76	51	70·8	55·1	62·4	+ 3·0	143	0	1	0·08	− 0·60	57·9	+ 17·6	51	+ 15
		Manchester, Prestwich ..	79	51	73·6	54·2	63·2	+ 4·3	148	0	0	0·00	− 0·81	70·8	+ 28·5	62	+ 25
		†Liverpool Obs. (Hoylake) ..	76	54	71·0	56·9	63·5	+ 3·8	151	0	1	0·02	− 0·64	50·3	+ 13·7	45	+ 12
		†Hawarden Bridge (Southport)	79	53	73·4	55·7	63·9	+ 3·4	153	0	1	0·03	− 0·52	65·9	—	58	—
	NORTH WALES	Llandudno .. .. 𝔐	76	55	71·7	57·2	64·0	+ 3·8	154	0	1	0·01	− 0·57	69·3	+ 24·5	61	+ 22
		†Holyhead (Aberdovey) ..	69	53	66·3	55·0	60·3	+ 1·6	128	0	0	0·00	− 0·58	66·6	+ 24·9	59	+ 22
		Bettws-y-Coed	80	50	74·7	54·1	63·7	+ 3·6	152	0	0	0·00	—	71·3	—	64	—
8.	SOUTH WALES	Llangammarch Wells	79	45	75·9	51·1	62·6	+ 3·7	144	0	1	0·02	—	57·7	—	51	—
		Pembroke	75	54	71·3	57·1	63·7	+ 5·0	152	0	0	0·00	− 0·59	60·8	—	54	—
		†Cardiff (Aberystwyth)	80	50	76·4	53·8	64·3	+ 3·2	156	0	0	0·00	− 0·78	81·1	+ 34·8	73	+ 31
	ENGLAND S.W.	Clifton	82	55	78·0	57·6	67·1	+ 5·1	176	0	0	0·00	− 0·69	70·0	—	63	—
		†Shaftesbury (Marlborough) 𝔐	82	50	74·4	54·0	63·5	+ 3·8	151	0	0	0·00	− 0·69	70·8	—	64	—
		†Arlington (Newquay)	80	51	74·3	54·0	63·4	+ 4·5	150	0	0	0·00	− 0·64	51·2	+ 8·3	46	+ 8
		Cullompton .. .. 𝔐	79	49	76·4	53·2	64·0	+ 2·9	154	0	0	0·00	− 0·95	78·2	+ 29·8	71	+ 27
		Plymouth	78	53	69·6	56·1	62·4	+ 1·2	143	0	0	0·00	− 0·68	72·9	+ 30·5	66	+ 28
		Falmouth .. .. .. (Torquay)	75	54	69·7	57·2	63·0	+ 2·8	147	0	0	0·00	− 0·65	78·5	+ 30·9	71	+ 28
														80·8	+ 29·4	74	+ 27
9. IRELAND, N.	Western part.	Malin Head	70	51	62·9	55·1	58·7	+ 1·9	117	0	1	0·02	− 0·63	74·4	+ 24·2	68	+ 22
		Edenfel												*	*	*	*
		Blacksod Point	74	54	70·9	56·4	63·2	+ 5·4	148	0	0	0·00	− 0·68	*	*	*	*
		Markree Castle	81	51	75·5	54·7	64·4	+ 7·4	157	0	0	0·00	− 0·78	*	*	*	*
	Eastern part.	Armagh	81	52	76·9	56·3	65·9	+ 8·1	167	0	2	0·02	− 0·68	49·9	+ 20·7	44	+ 18
		Donaghadee	69	53	65·0	54·0	59·1	+ 1·7	120	0	1	0·02	− 0·64	64·6	+ 32·2	57	+ 28
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	77	56	72·3	59·3	65·4	+ 5·3	164	0	0	0·00	− 0·60	*	*	*	*
		Kilkenny	81	53	77·7	59·6	68·0	+ 8·9	182	0	0	0·00	− 0·61	59·0	+ 21·2	52	+ 19
		Waterford	82	51	77·3	57·6	66·8	+ 7·1	174	0	0	0·00	− 0·72	*	*	*	*
	Western part.	Birr Castle	82	53	77·6	58·1	67·2	+ 8·8	176	0	2	1·08	+ 0·41	43·0	+ 11·7	38	+ 10
		Foynes	82	57	79·3	58·9	68·4	+10·6	185	0	3	0·16	− 0·52	*	*	*	*
		Killarney	85	53	80·4	56·1	67·4	+ 8·6	178	0	1	0·01	− 0·75	*	*	*	*
		Valencia	72	54	70·0	55·7	62·4	+ 3·7	143	0	0	0·00	− 0·87	66·4	+ 32·0	59	+ 29
		†Roches Point (Ballinacurra) ..	74	55	69·6	58·1	63·5	+ 4·0	151	0	0	0·00	− 0·70	72·0	—	65	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	70	55	67·3	59·0	62·9	+ 2·4	146	0	0	0·00	− 0·54	76·8	+ 27·5	71	+ 25
		†Jersey, St. Aubins (St. Heliers)	78	48	73·3	55·1	63·6	+ 1·2	151	0	0	0·00	− 0·53	87·4	+ 30·9	80	+ 28
		Guernsey	76	53	69·7	54·6	61·6	+ 0·5	137	0	0	0·00	− 0·54	74·7	+ 16·3	69	+ 15

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Probably wet mist or fog.

Additional Sunshine Totals for the week: Ramsgate, 53·5 hrs., 48 %; Brighton, 76·2 hrs. (+23·2), 69 % (+ 21 %); Bournemouth, 76·3 hrs., 69 %; Boguor, 72·8 hrs., 66 %; Rhyl, 68·6 hrs., 61 %; Tenby, 84·1 hrs. (+37·1), 76 % (+ 34 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·1
	Crathes	0	36	59·7	53·3
	Balmoral	0	35	—	—
	Marchmont ..	—	—	59·4	—
2.	Cockle Park	0	42	59·7	52·8
	York	—	—	57·1	52·9
	Hull	0	45	59·6	54·1
	Lincoln	—	—	59·9	54·3
3.	Lowestoft	—	—	61·8	57·2
	Cambridge	0	42	61·3	56·8
	Dunmow	0	45	—	—
	Clacton-on-Sea ..	0	46	60·7	57·6
4.	Harrogate	0	39	56·5	53·2
	Sheffield	0	42	58·1	52·3
	— — ..				
	Birmingham	0	42	56·3	50·6
	Nottingham	0	45	60·9	55·1
	— — ..				
5.	Kew	0	46	62·1	55·9
	Canterbury	0	48	60·6	56·7
	Portsmouth	—	—	64·8	59·1
	Wisley	0	41	61·9	56·9
6.	— — ..				
	Glasgow	0	50	—	—
	— — ..				
7.	Newton Rigg ..	0	47	61·6	53·5
	Southport	0	48	65·6	59·8
	Manchester City ..	0	46	59·8	54·2
	Bettws-y-Coed ..	0	50	58·0	52·3
	— — ..				
8.	Llangammarch Wells	0	37	58·1	52·4
	Bath	—	—	62·0	57·9
	Plymouth	0	47	63·4	—
	— — ..				
9.	Armagh	0	47	61·9	55·1
	Markree Castle ..	0	47	—	—
10.	Dublin, Trin. Coll. ..	0	41	61·8	55·5
11.	Guernsey, Brooklyn	0	45	63·8	58·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	50	51·3
	Kirkwall	55	53	53·9
	Wick	51	50	50·8
SCOTLAND, E.	Cromarty	55	52	54·1
	Pennan Bay	59	55	57·3
	Aberdeen, Cove Bay ..	55	55	55·0
ENGLAND, N.E.	Burnmouth, Berwick ..	55	53	54·2
	Scarborough	57	52	54·5
ENGLAND, E.	Shipwash Lightship ..	60	57	58·7
	Margate	64	60	61·1
ENGLAND, S.E.	Eastbourne‡	62	60	61·7
SCOTLAND, W.	Lamlash	63	51	57·7
	Ballantrae	59	54	56·3
ENGLAND, N.W.	Port Erin	60	54	55·4
ENGLAND, S.W.	Newquay	62	58	60·2
	Plymouth‡	60	56	57·9
	Salcombe	57	55	56·3
IRELAND, N.W.	Sheephaven	66	56	60·3
	Ballyglass	67	56	60·3
IRELAND, S.W.	Cleggan	62	54	59·0
	Seafield	65	58	61·1
IRELAND E.	Kingstown‡	58	56	56·9

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR JUNE, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

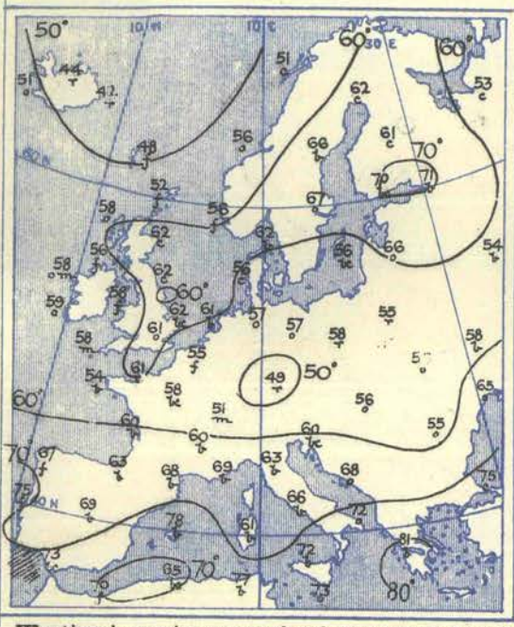
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 25, p. 194	10. Ireland, S...	—	—	—	—	—	—	—	—	—	0·70	+0·07	—	—	—	—
No. 26, p. 202	2. England, N.E.	—	—	—	—	—	—	—	—	—	—	—	46	+ 5	39	+ 4
No. 26, p. 202	10. Ireland, S.	—	—	—	—	—	—	—	—	—	0·73	+0·13	—	—	—	—
Station Values.—Additions.																
No. 24, p. 187	Littlestone	—	—	—	—	—	—	—	—	—	—	—	53·1	—	47	—
No. 24, p. 187	Bognor	—	—	—	—	—	—	—	—	—	—	—	46·2	—	41	—
No. 25, p. 195	Clifton	65	47	62·5	49·9	55·8	-3·6	97	0	5	0·33	-0·24	51·7	—	45	—
No. 25, p. 195	Bognor	—	—	—	—	—	—	—	—	—	—	—	65·5	—	58	—
No. 26, p. 203	Hoylake	—	—	—	—	—	—	—	—	—	—	—	49·2	—	42	—
No. 26, p. 203	Foynes	59	45	57·3	47·9	52·3	-5·1	72	0	7	1·04	+0·45	—	—	—	—
No. 26, p. 203	Bognor	—	—	—	—	—	—	—	—	—	—	—	21·7	—	19	—
No. 27, p. 211	Bognor	—	—	—	—	—	—	—	—	—	—	—	36·9	—	33	—
Station Values.—Corrections.																
No. 23, p. 179	Scarborough .. .. M	—	42	—	45·7	51·8	-0·9	69	—	—	—	—	—	—	—	—
No. 24, p. 187	Hillington .. .. M	—	—	66·4	—	58·0	+1·6	112	—	—	—	—	—	—	—	—
No. 24, p. 187	Swarraton .. .. M	—	—	—	50·4	56·5	+1·0	102	—	—	—	—	—	—	—	—
No. 25, p. 195	Bath	—	—	—	—	—	—	—	—	—	—	—	49·1	—	43	—
No. 25, p. 195	Valencia	—	—	—	—	—	—	—	—	—	0·95	+0·11	—	—	—	—
No. 26, p. 203	York	—	—	—	—	—	—	—	—	—	—	—	40·1	-1·1	34	- 1
No. 26, p. 203	Yarmouth	—	—	—	50·6	56·2	-2·1	99	—	—	—	—	—	—	—	—
No. 26, p. 203	Shaftesbury .. .. M	63	—	60·3	—	53·3	-4·2	79	—	—	—	—	—	—	—	—
No. 26, p. 203	Plymouth	—	—	—	—	—	—	—	—	6	0·33	-0·24	—	—	—	—
No. 27, p. 211	Hillington .. .. M	—	—	—	—	—	—	—	—	5	1·04	+0·44	—	—	—	—
No. 27, p. 211	Bath	—	—	—	—	—	—	—	—	—	—	—	39·6	—	35	—

Temp. on the Grass and in the Ground.

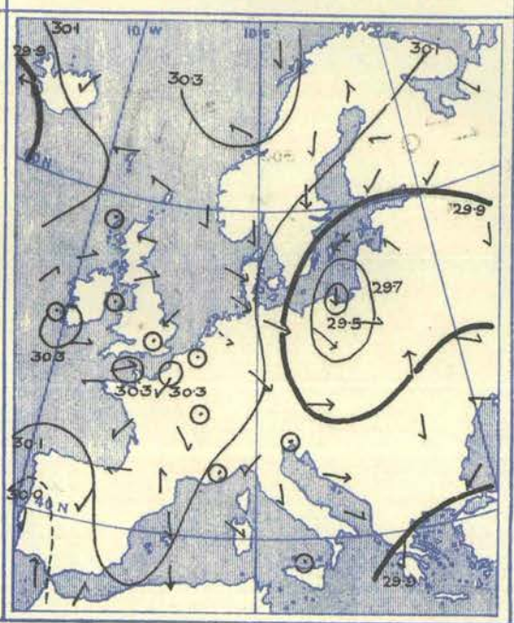
		Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values :—Additions.					
No. 25, p. 196	Bath	—	—	58·1	56·0
No. 27, p. 212	Lowestoft	—	—	59·3	55·9
No. 27, p. 212	Manchester, City ..	0	35	54·3	53·8
No. 27, p. 212	Bath	—	—	58·0	56·8
Station Values :—Corrections.					
No. 24, p. 188	Guernsey (Brooklyn) ..	—	—	—	55·5

Sunday, 14th July, 1907.

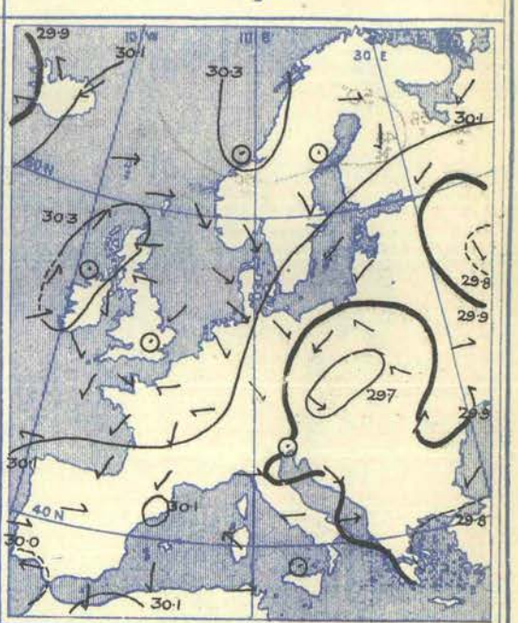
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very rough and rainy over all the central regions of Europe, dull and close over the United Kingdom, with fog at some coast stations and rain at Stornoway; fine and bright over the Mediterranean. Rainy over the greater portion of Iceland. Very heavy rain later in Austria-Hungary and the adjacent part of Germany, largest measurements 1·2 in. at Cracow and Breslau, and 2·6 ins. at Vienna. Continuing dry, but dull, at most of our own stations.

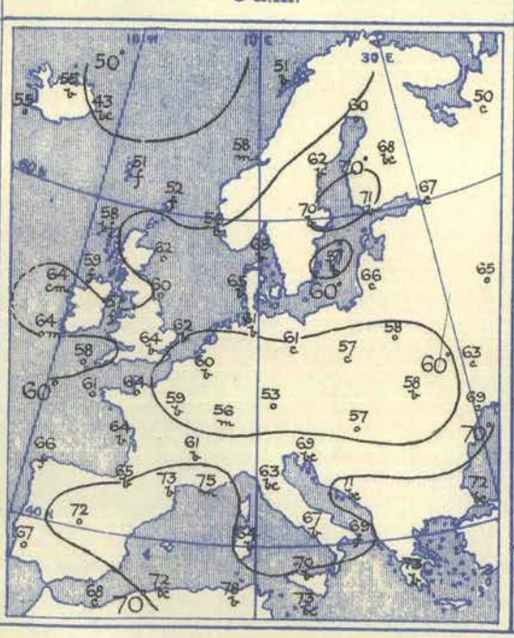
Temperature in morning above 70° at most places in the south of our area and as high as 81° at Patras; above 60° in most British localities, over Sweden and Finland, and 71° at St. Petersburg. Only 49° at Munich, 54° at Vienna, and below 60° over a very considerable portion of the Continent. Maxima during day about 70° in various parts of these Islands and some degrees higher in Sweden and the north of Russia. Thermometer remaining below 60° in some parts of Austria, but rising to above 80° very generally in the south of our area and to above 90° in places. Highest reading 97° at Madrid.

Wind in morning showing a well-marked cyclonic circulation over the central countries; strong in several localities and a gale at Wisby. A light and rather variable anticyclonic movement prevailing over these Islands and their immediate vicinity. Some decrease in force taking place later over the central countries, but no general change occurring.

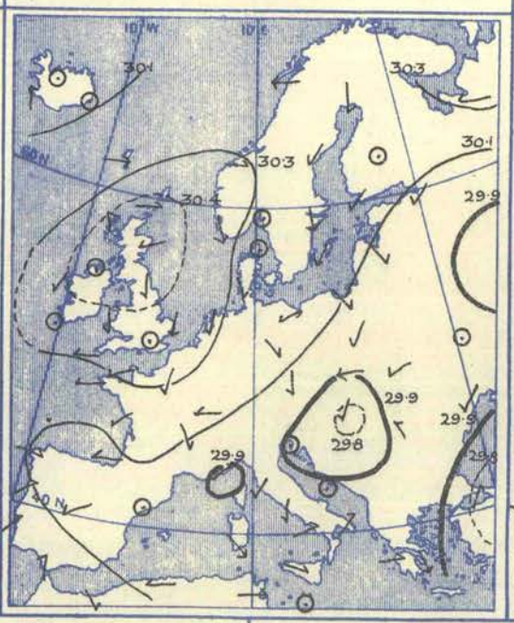
Barometer in morning above 30·2 ins. over a large area comprising Norway, England, Ireland, and the regions to the east and south. Below 29·9 ins. in a depression to the south-westward of Iceland, and below 29·5 ins. in a well-defined disturbance having its minimum over East Prussia. Latter system apparently moving southwards during day and becoming less deep. Barometer rising in Norway and most parts of the United Kingdom and falling in Iceland.

Monday, 15th July, 1907.

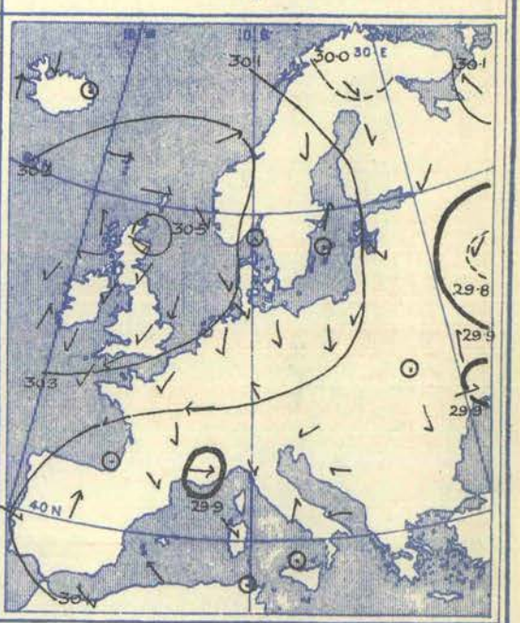
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast, with rain in places, over Austria-Hungary, dull at many Scottish stations, and foggy at some localities on our north and west coasts. Fair or fine in nearly all other regions. Very little rain falling later in any part of our area and sky continuing clear over the greater part of this country.

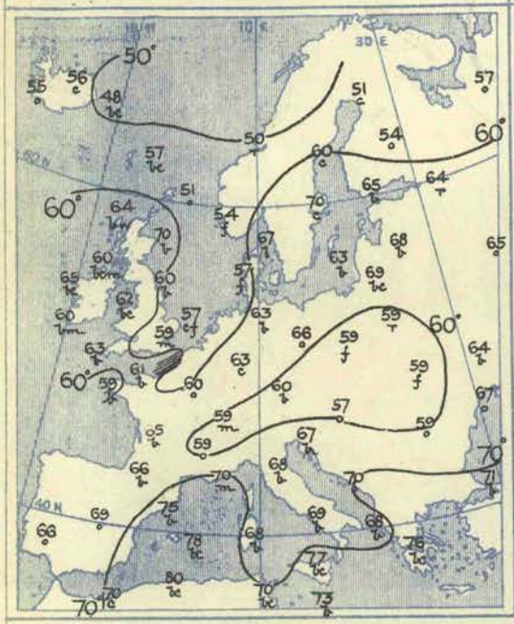
Temperature risen in most districts. Readings in morning ranging from 78° at La Calle and above 70° at many other southern stations and in the south of Finland, to 53° at Munich and to about 50° in the north of Russia and Norway. Maxima during day above 70° over these Islands, and as high as 77° in London, at Brighton, Towyn, and Strathpeffer. Thermometer rising to 99° at Aumale, 97° at Madrid, and to between 80° and 90° in the south generally. Highest reading at Vienna only 59°.

Wind in morning showing an extensive anticyclonic circulation around our Islands and some cyclonic movements in the east and south of our area. Scarcely any change occurring during day.

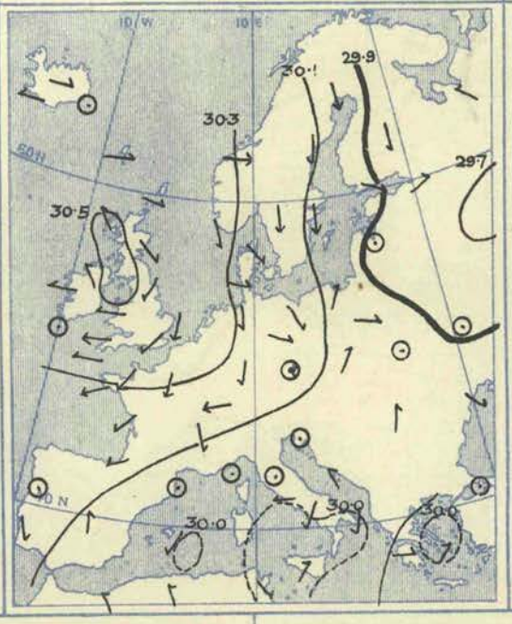
Barometer in morning 30·2 ins. to above 30·4 ins. in a very large high pressure system having its maximum over Scotland and its neighbourhood, and above 30·3 ins. in another system over the far north of Russia. Below 29·9 ins. in a depression over the Gulf of Genoa and less than 29·8 ins. in two other disturbances—one over Transylvania and the other over central Russia. Anticyclone maintaining its position and increasing somewhat in intensity during day, but little change taking place in the general distribution. Pressure increasing decidedly over Iceland and the Færöe.

Tuesday, 16th July, 1907.

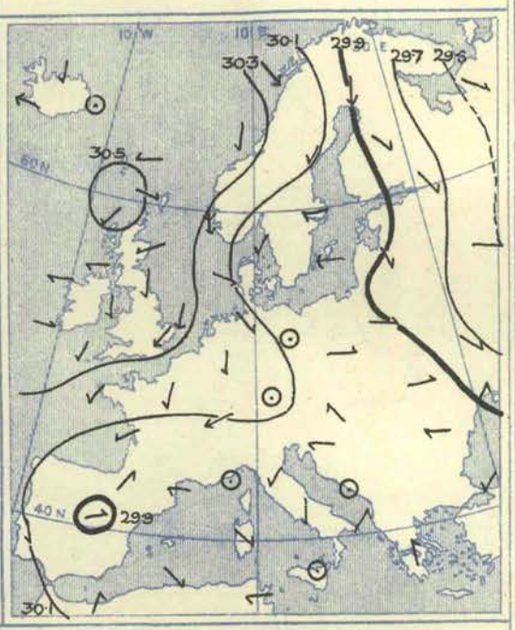
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast at most places in the centre and north-east of our area, with rain at a few stations; rain also falling at Christiansund and fog prevailing at Skudesnaes. Very fine and bright in almost all other regions. Heavy rain later in the north of Finland and at Warsaw, and considerable quantities at Archangel, Breslau, and in Austria. Conditions continuing very bright over the United Kingdom.

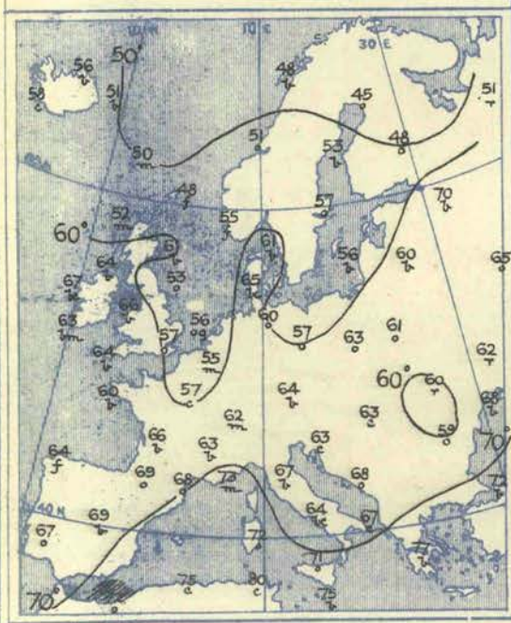
Temperature risen in Scotland and Germany, changed little and rather irregularly as a whole. Readings in morning above 60° in the west and north of our Islands and as high as 70° at Aberdeen; above 70° in the south of our area and 80° at some Algerian stations; below 55° in the north of Scandinavia, and less than 50° at Seydisfjord. Maxima during day above 70° over these Islands and as high as 79° at Leith and 86° at Lairg. Thermometer rising to between 70° and 80° in most Continental regions, and to nearly 90° in places. Highest reading 95° at Algiers.

Wind in morning showing an anticyclonic circulation over all the western countries and light cyclonic movements in the east and south of our area. Northerly current increasing to a fresh gale later on the south-west coast of Norway, but no general change either in force or direction.

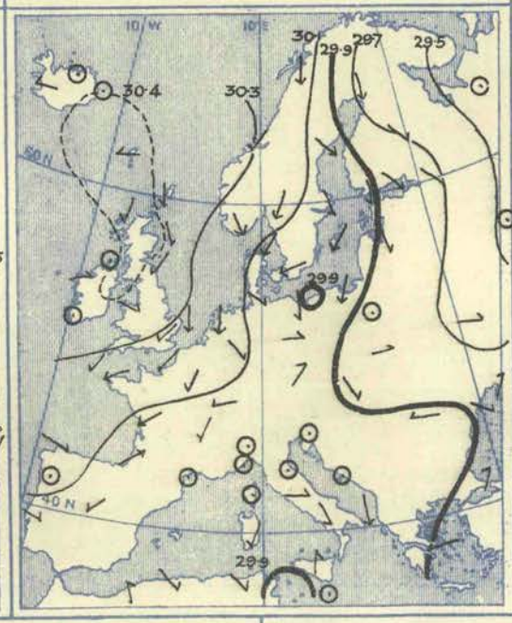
Barometer in morning above 30·5 ins. over a large portion of Scotland and above 30·4 ins. over almost the whole of these Islands. Below 30·0 ins. in some parts of the Mediterranean region and less than 29·7 ins. in a depression near Moscow. Barometer falling somewhat over the United Kingdom during day, and more decidedly over the south of Norway, Denmark, and North Germany. A shallow depression forming over the Baltic by evening, and gradients increasing over Norway and the eastern waters of the North Sea.

Wednesday, 17th July, 1907.

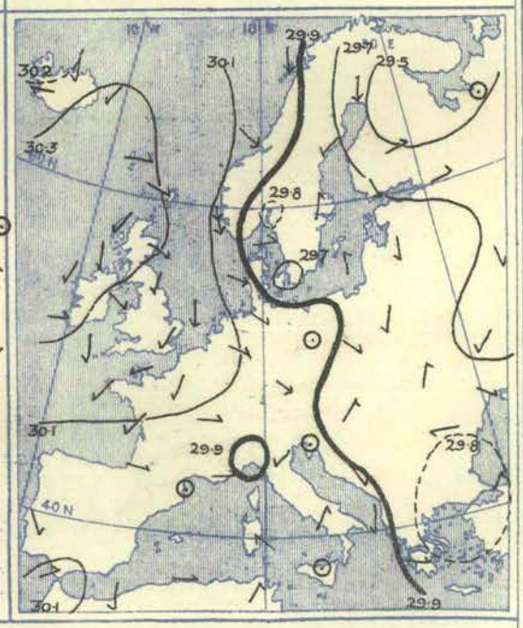
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the eastern part of England and over a large portion of central Europe, with rain at North Shields, in Poland and at Kieff. Very fine in nearly all other regions, but foggy at Corunna and on the north-east coast of Scotland. Some rain falling later in Scandinavia and Russia, as much as 0·8 in. at Kieff, and larger amounts in Austria; measurement 1·93 in. at Vienna.

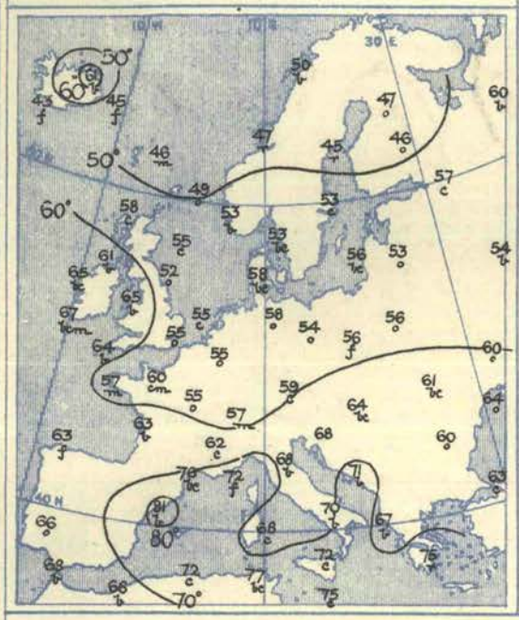
Temperature fallen over Italy, Germany, Scotland, and the east of England, as well as in many parts of northern Europe. Readings in morning 60° or above over the greater part of the United Kingdom and at most Continental stations, and above 70° on many shores of the Mediterranean. Below 50° in the extreme north of Europe and at Sumburgh Head. Rising during day to 80° at Birr Castle, to 81° at Towyn, and to above 75° in many parts of these Islands. Maxima above 80° over southern Europe and as high as 91° at Rochefort and 93° at Cette.

Wind in morning showing partial or complete cyclonic circulations in the east and south of our area; light in force generally, but a fresh Northerly breeze prevailing at Skudesnaes and a strong breeze from that quarter in the far north of Scandinavia. Light to moderate anticyclonic airs blowing over these Islands. Little change later beyond an increase in the force of the wind to a gale on the south-west coast of Norway.

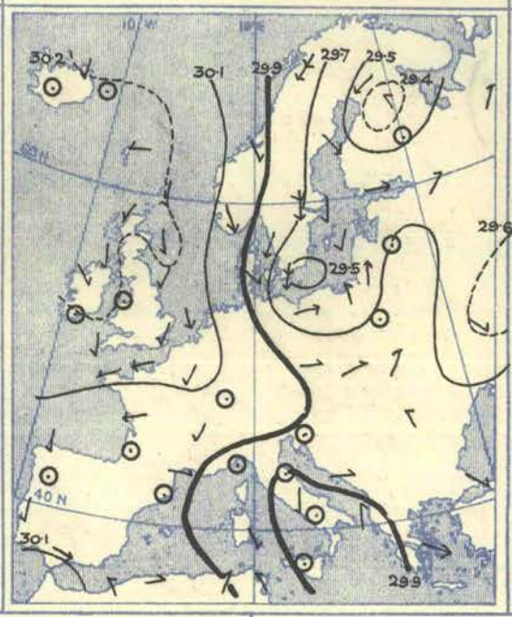
Barometer in morning ranging from above 30·4 ins. in an anticyclone covering the north of our Islands and extending to Iceland, to less than 29·9 ins. in a depression over Germany, and to below 29·5 ins. in a large system over Russia. Other disturbances apparently forming later over the south of Scandinavia and barometer also falling decidedly in Finland. Pressure decreasing slowly over these Islands and France, but not much modification taking place in the general distribution.

Thursday, 18th July, 1907.

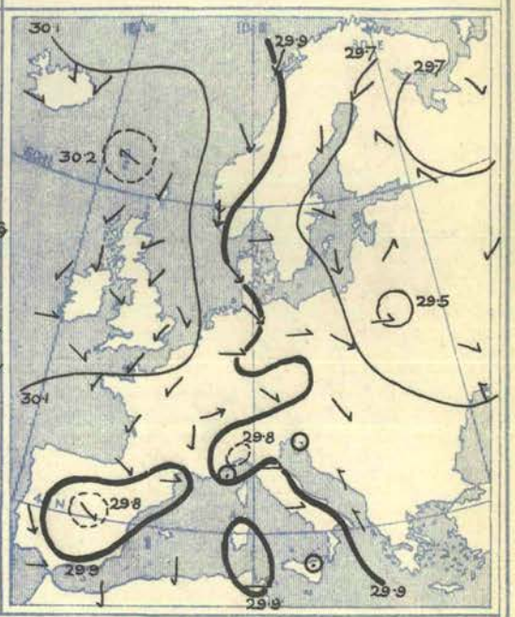
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled and generally dull over Germany, Austria, and Finland, and overcast, with fog or mist locally, along the east coast of Great Britain. Fine and bright in nearly all other regions, but rainy at Athens. Rain falling later in Austria and also in various parts of Germany, Scandinavia, and Russia, but conditions continuing very fine as a whole.

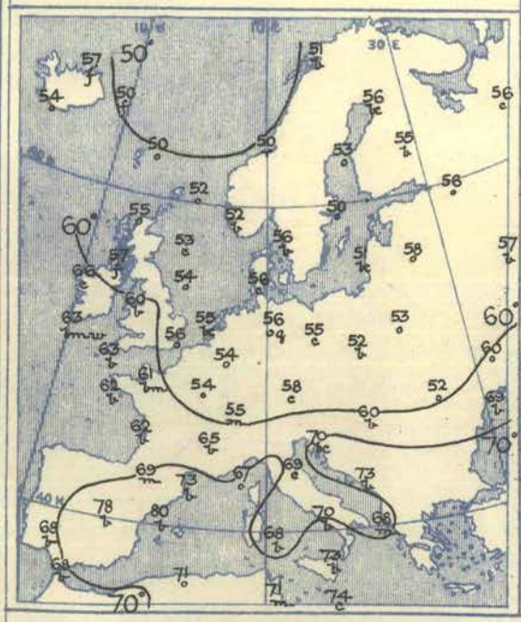
Temperature risen in a few localities, but fallen generally. Readings in morning above 60° in the west of these Islands and as high as 69° at Birr Castle. Thermometer above 70° very generally in the south of our area and 81° at Barcelona; readings decreasing to below 60° towards the north of Europe, and to less than 50° in places. Maxima during day below 60° at some of our east coast stations, but above 70° over these Islands as a whole, and as high as 81° at Birr Castle and 85° at Killarney. Highest Continental reading reported 91° at Madrid and Cette.

Wind in morning showing two complete cyclonic circulations on the Continent, and an extensive anticyclonic movement over our Islands and all the more western regions. Northerly current blowing a gale at Karlstad and Copenhagen and freshly or strongly over the neighbouring part of Scandinavia. Little change of a general character later; gale subsiding in Denmark, but continuing at Karlstad.

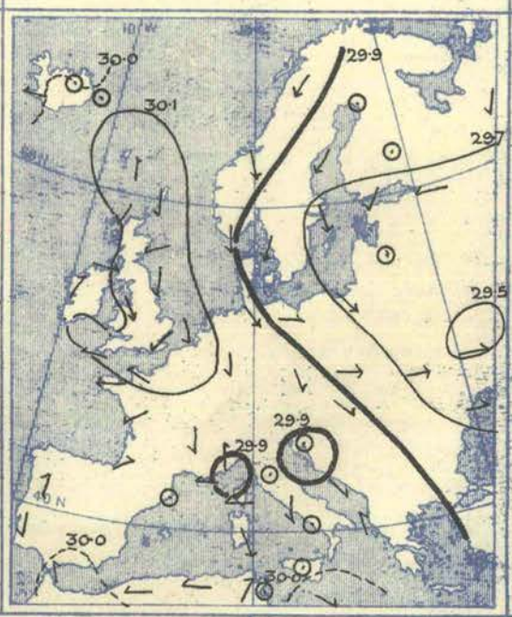
Barometer in morning above 30·2 ins. over Scotland and Ireland and between those countries and Iceland, and only slightly lower over England; below 29·5 ins. in a depression centred near Copenhagen, and below 29·4 ins. in another system over the north of Finland. Latter disturbance entirely disappearing by evening, and the former apparently moving east-south-eastwards. Anticyclone decreasing steadily in intensity. A very shallow depression shown over the south of England by evening.

Friday, 19th July, 1907.

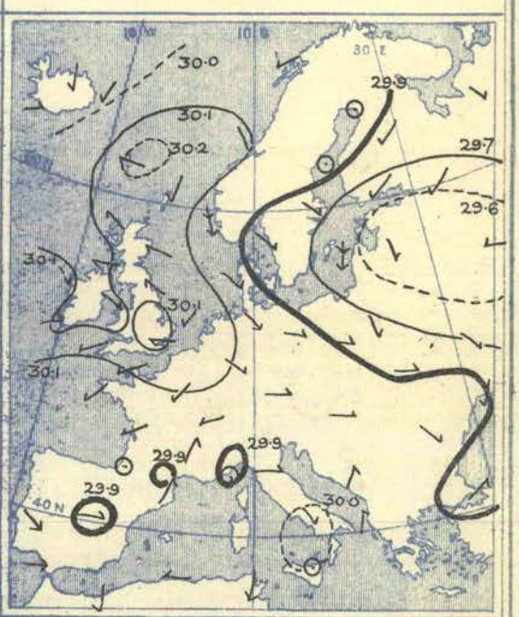
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over a considerable portion of the United Kingdom, but overcast in the east and north-east and foggy on the north-west coast. Fine over the greater part of the Continent. A thunderstorm, with 0·6 in. of rain, occurring later at Birr Castle, and slighter amounts of rain falling in Germany and at some Russian stations.

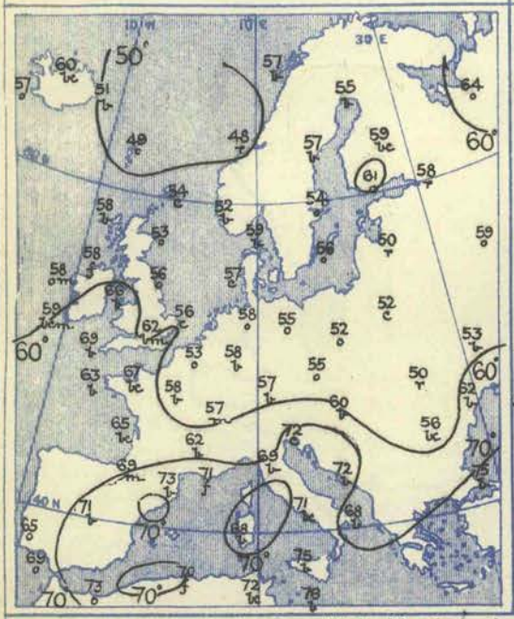
Temperature risen over Scandinavia and Finland, fallen in Poland, and changed rather irregularly over our area generally. Readings in morning low over the east of our Islands and high in the west. As high as 80° at Barcelona and above 70° in many southern localities. Below 60° over the major portion of the Continent and as low as 50° in a few places towards the north. Thermometer rising to 82° at Birr Castle during day and to nearly 80° in many parts of England; maxima about 90° at some stations in the extreme south and as high as 97° at Madrid.

Wind in morning still anticyclonic over our Islands and all the western and north-western countries, and generally cyclonic in the east and south of our area. Very light to moderate in force as a whole, but Northerly current still blowing a gale at Karlstad. Little change taking place later in day, but gale subsiding at Karlstad and direction becoming more variable over our Islands.

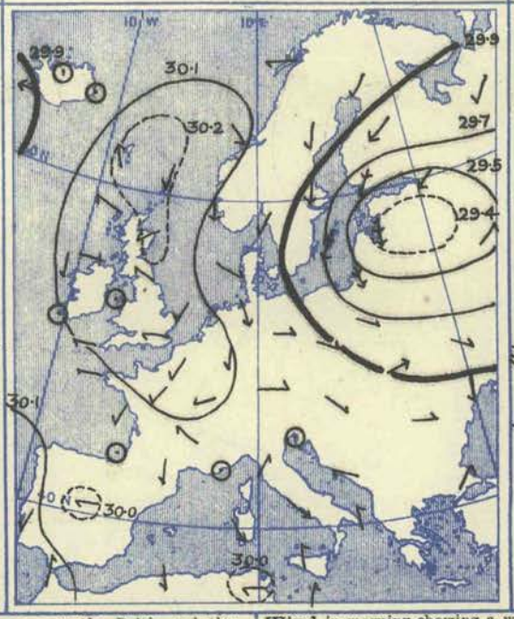
Barometer in morning ranging from above 30·1 ins. over the United Kingdom and its vicinity, to below 29·9 ins. in two minima over the north of Italy and the surrounding regions, and to less than 29·5 ins. in a large shallow disturbance having its minimum over Little Russia. Russian depression apparently moving northwards during day, but little modification occurring in the general distribution of pressure. A very shallow disturbance forming over England by evening.

Saturday, 20th July, 1907.

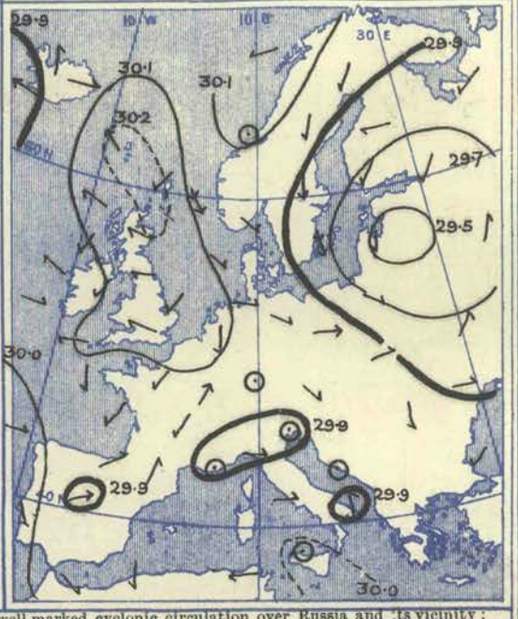
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning rough and unsettled, with rain in places, over the Baltic and the surrounding regions, rainy at Christiansund, and dull along the east of Great Britain. Fair or fine in most other localities, but rain falling at Oxford and Birr Castle, and fog prevailing at Nairn and several of our western and north-western stations. A thunderstorm, with nearly half an inch of rain, occurring at Birr Castle, and about an inch during a thunderstorm at Biarritz. Some rain experienced in Russia, but weather continuing fine as a whole.

Temperature risen over Iceland, Great Britain, and the adjacent parts of the Continent. Readings in morning above 60° at some of our western and south-western stations, but below 55° on our north-east coast. Above 70° over a large portion of the south of Europe and as high as 81° at Barcelona; decreasing to about 50° in various parts of Poland and the neighbouring districts of Russia. Rising later to 99° at Rochefort, to 95° at Chassiron and to about 90° at some other southern stations. Highest reading in these Islands 80° at Bath. Thermometer remaining below 60° at many of our east coast stations.

Wind in morning showing a well-marked cyclonic circulation over Russia and its vicinity; Northerly current blowing strongly or with gale force over the Gulf of Finland and the Baltic. Light and rather variable anticyclonic airs prevailing over these Islands and the western countries generally. Very little change later in day; a Northerly gale springing up at Skudesnaes.

Barometer in morning above 30·1 ins. over the United Kingdom and the Low Countries, and above 30·2 ins. off the north-east of Scotland and at Sumburgh Head and Thorshavn. Below 29·9 ins. to the westward of Iceland and below 29·4 ins. in a depression over Russia. Relatively low over most of Italy. Scarcely any change either in the height of the barometer or in the distribution of pressure during the day.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟩⟩⟶ = a heavy gale; ⟩⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,800	10,000 / 3,000	Remarks.
1907. July 15th, 6.47 p.m. to 8.55 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	60°	57°						One kite, 77 sq. ft. Max. height, 2,325 ft. Min. temp., 53°. Overcast.
		Humidity	89%	86%						
		Wind Velocity, m. per hr.	E by N, —	NE, 34						
July 16th, 10.25 a.m. to 1.20 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	68°	65°	58°	59°				One kite, 77 sq. ft. Min. temp., 55° at 4,200 ft.
		Humidity	75%	80%	90%	72%				
		Wind Velocity, m. per hr.	ENE, —	E, 34	E, 38	E, 37				
July 16th, 4.17 p.m. to 5.38 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	71°	66°	59°					One kite, 77 sq. ft.
		Humidity	72%	72%	86%					
		Wind Velocity, m. per hr.	E by N, —	ENE, 20 (?)	E by N, 20 (?)					
July 16th, 6.44 p.m. to 9.55 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	64°	61°	57°	53°				One kite, 77 sq. ft. Cloudless sky.
		Humidity	80%	85%	90%	60%				
		Wind Velocity, m. per hr.	NE by E, —	NE by E, —	NE by E, —	NE by E, —				
July 17th, 11.5 a.m. to 12.3 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	65°	57°	63°					One kite, 77 sq. ft. Max. wire, 4,690 ft. Inversion at 1,700 ft., 57° to 65°, with very small humidity. Wind less gusty above inversion surface.
		Humidity	71%	73%	10%					
		Wind Velocity, m. per hr.	NNE, 25	NE by N, 30	NE, 29					
July 17th, 11.9 a.m. to 1.21 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	70°	68°	62°	56°				One kite, 77 sq. ft. Blue sky.
		Humidity	65%	60%	70%	80%				
		Wind Velocity, m. per hr.	NE by N, —	NE, 22	NE, 24	NE, 24				
July 17th, 9.15 p.m. to 10.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	64°	64°	61°	57°	53°			Two kites, 154 sq. ft. Max. wire, 9,000 ft. Max. height, 7,160 ft. Min. temp., 52°. Cloudless sky. N.B.—Wind velocity record unsatisfactory.
		Humidity	70%	60%	20%	6%	3%			
		Wind Velocity, m. per hr.	ENE, —	NNE, —	NNE, —	NE by N, —	NE by N, —			
July 18th, 4.24 p.m. to 6.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	70°	66°						One kite, 77 sq. ft. Blue sky. Light variable breeze.
		Humidity	53%	50%						
		Wind Velocity, m. per hr.	E by S, —	ESE, 21						
July 20th, 3.52 p.m. to 5.38 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	65°	59°						One kite, 77 sq. ft. Overcast, light variable breeze. A *ballon-sonde* sent up from Manchester at 11 a.m. showed a 10 m. per hr. SSW breeze up to 2,000 ft., and nearly a calm above that level.
		Humidity	80%	90%						
		Wind Velocity, m. per hr.	E by S, —	ESE, 21						

For information as to wind velocity and cloud-level, derived from balloon ascents of June 26th—27th, see Monthly Weather Report for June.

63, Victoria Street, London, S.W. *July 24th, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 30. THIRTIETH WEEK, ENDING SATURDAY, JULY 27TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was upon the whole of a changeable character, but over a large section of Great Britain the middle portion of the week was fair and dry. Severe thunderstorms were experienced on Sunday in Wales and the neighbouring parts of England and Ireland, and again on Monday at several of the English stations. On each occasion the accompanying rainfall was, locally, very heavy.

Temperature was below the average in most parts of Great Britain, the deficit being rather large in the eastern districts. In Ireland, the south-west of England, the Channel Islands, and the west of Scotland, the mean for the week was above the normal. The highest readings were observed at many western stations on Sunday, but over the country generally at some time in the latter half of the week. In the northern, eastern and southern parts of Great Britain the thermometer did not exceed 75°, but in England N.W. and S.W. it rose to 79°, and in Ireland S. (at Killarney) to 81°. The lowest temperatures which occurred at various times in the week, ranged from 57° in the English Channel district, and from 49° in England S.W. and Ireland S. to 40° in Scotland E., England E. and England N.W., and to 36° in Scotland N. Slight ground frost occurred at some northern stations on the nights of Sunday and Monday.

Mean Temperature of the Sea was generally higher than in the preceding week, but was lower on some parts of our east and north-east coasts, as well as off the north-west of Ireland. The mean values for the week ranged from 64° at Seafield, and above 62° on the coasts of Kent and Sussex to 55° and less on the north and north-east coasts of Great Britain, and to about 51° at Lerwick and Wick.

Rainfall was very deficient over the northern half of the Kingdom, and especially in Scotland E., where the total fall amounted to less than one-fourth of the average. In England S.W., Ireland S. and the English Channel district there was a slight excess, and in the Midland Counties and England S.W. a large excess, due in all cases to the heavy thunder rains of Sunday and Monday. On one or other of those days amounts exceeding an inch were recorded at many stations; at Bath on Sunday, 2·6 ins. fell in the space of 3 hours, and at Cirencester on Monday, 1·3 in. fell in the space of 2½ hours. At Combe Park, near Bath, the amount on Sunday was as large as 2·9 ins.

Bright Sunshine was generally deficient, but was slightly in excess of the average in Ireland and the west and north of Scotland. The percentage of the possible duration ranged from 34 in Scotland W., 32 in Ireland and 31 in England S. to 22 in England N.E. and the Midland Counties, and to 18 in Scotland E.

Barometer and Wind.—At the commencement of the week the large anticyclone which had previously existed over western Europe entirely dispersed, while a large but shallow area of low pressure spread in from the Atlantic, the prevailing winds in these Islands being chiefly from some Easterly quarter (North-East to South-East). On Wednesday the low-pressure system moved away to the southward, and in the latter half of the week the conditions were influenced, firstly, by small shallow depressions which were developed over various parts of our western districts, and, secondly, by a more clearly defined cyclonic area which travelled north-eastwards across Scotland on Saturday. By Friday the Easterly wind was replaced in all but our extreme northern districts by light to moderate breezes from the Southward or South-Westward, and at the close of the week a current from South-West or West prevailed over the entire Kingdom.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 220.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Light	Light	Very light	Moderate	Very heavy	Moderate	Light	Moderate	Heavy	Very light	Moderate	Heavy
	Sunshine ...	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 8 weeks from June 2nd.	Warmth ...	2 * 5	1 * 6	1 * 6	1 * 5	1 * 5	0 * 6	1 * 5	1 * 5	1 * 6	2 * 5	2 * 5	2 * 5
	Rainfall ...	4 * 2	2 * 2	2 * 2	1 * 2	3 * 1	3 * 2	3 * 2	4 * 1	5 * 2	4 * 2	3 * 1	3 * 3
	Sunshine ...	2 * 5	1 * 5	0 * 3	0 * 4	1 * 5	2 * 4	1 * 4	1 * 3	1 * 3	1 * 2	1 * 4	2 * 5

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (30th)—July 21st to 27th, 1907.

DISTRICTS. (See p. 235.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	78	36	61·4	47·4	54·0	− 0·7	84	− 4	0	0	2	− 2	0·36	−0·38	34	+ 6	29	+ 5
Eastern																		
1. SCOTLAND, EAST	68	40	60·5	47·7	53·7	− 3·1	82	− 21	0	0	2	− 2	0·17	−0·54	20	− 14	18	−13
2. ENGLAND, N.E.	73	42	62·9	49·7	55·8	− 2·9	97	− 20	0	0	3	− 1	0·17	−0·49	25	− 11	22	−10
3. ENGLAND, EAST	75	40	64·6	50·3	57·0	− 3·7	105	− 26	0	0	4	0	0·43	−0·16	29	− 15	26	−14
4. MIDLAND COUNTIES	77	42	65·9	51·8	58·3	− 1·7	114	− 12	0	0	5	+ 1	1·43	+0·81	24	− 15	22	−14
5. ENGLAND, SOUTH	73	45	66·4	54·2	59·9	− 1·7	125	− 12	0	0	4	+ 1	0·52	−0·04	34	− 11	31	−10
Western																		
6. SCOTLAND, WEST	75	45	66·0	51·2	58·1	+ 0·8	113	+ 6	0	0	2	− 2	0·31	−0·47	38	+ 1	34	+ 1
7. ENGLAND, N.W.	79	40	65·8	52·4	58·6	− 0·4	116	− 3	0	0	4	0	0·75	−0·03	32	− 6	28	− 6
8. ENGLAND, S.W.	79	49	66·8	55·4	60·7	+ 0·7	131	+ 5	0	0	5	+ 2	1·12	+0·36	27	− 17	24	−16
9. IRELAND, NORTH	78	46	65·7	53·4	59·1	+ 1·6	120	+ 12	0	0	4	0	0·26	−0·52	35	+ 6	32	+ 5
10. IRELAND, SOUTH	81	49	69·1	56·6	62·4	+ 3·2	143	+ 22	0	0	4	+ 1	0·80	+0·06	35	+ 2	32	+ 1
11. ENGLISH CHANNEL	76	57	68·4	58·9	63·3	+ 1·7	149	+ 12	0	0	4	+ 1	0·71	+0·15	28	− 24	26	−23

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 8 Weeks, June 2nd to July 27th, 1907.

0. SCOTLAND, NORTH	86	33	*	*	*	*	534	−106	1	+ 1	38	+ 6	6·20	+0·88	226	− 43	23	− 4
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	578	−180	0	0	36	+ 8	5·14	+0·74	242	− 71	25	− 7
2. ENGLAND, N.E.	76	35	*	*	*	*	709	−133	0	0	32	+ 7	3·50	−0·35	289	− 28	31	− 3
3. ENGLAND, EAST	77	37	*	*	*	*	800	−148	0	0	26	+ 2	2·88	−1·17	312	− 72	34	− 8
4. MIDLAND COUNTIES	82	37	*	*	*	*	744	−186	0	0	36	+12	5·17	+1·10	285	− 59	31	− 7
5. ENGLAND, SOUTH	81	37	*	*	*	*	814	−180	0	0	27	+ 5	3·07	−0·65	345	− 48	38	− 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	692	−102	0	0	37	+ 8	7·36	+1·27	271	− 64	29	− 7
7. ENGLAND, N.W.	81	37	*	*	*	*	724	−153	0	0	41	+14	7·21	+2·42	291	− 57	31	− 6
8. ENGLAND, SW	82	34	*	*	*	*	760	−165	0	0	37	+11	6·25	+1·48	331	− 63	37	− 7
9. IRELAND, NORTH	81	37	*	*	*	*	682	−126	0	0	41	+ 8	6·55	+1·15	269	− 14	29	− 2
10. IRELAND, SOUTH	85	37	*	*	*	*	805	− 90	0	0	39	+11	5·97	+0·88	292	− 22	32	− 2
11. ENGLISH CHANNEL	78	44	*	*	*	*	876	−112	0	0	29	+ 3	3·21	−0·55	395	− 54	45	− 6

THE YEAR.—Aggregates, &c., for the period of 30 Weeks, December 30th, 1906, to July 27th, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	937	−133	522	− 21	150	+14	29·42	+4·99	729	− 47	26	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1042	−250	599	+ 11	116	+ 4	15·67	+0·56	835	− 41	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1303	− 91	501	+ 26	110	+ 8	12·30	−0·03	946	+ 83	34	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1459	−180	518	− 3	103	+ 4	11·58	−0·89	996	− 23	37	− 1
4. MIDLAND COUNTIES	82	10	*	*	*	*	1429	−220	540	+ 7	110	+12	14·32	+0·57	876	− 35	32	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	1530	−231	434	+ 53	97	+ 4	12·26	−1·07	1036	+ 12	38	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1260	−122	404	− 6	127	+ 9	26·97	+2·85	821	− 86	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1320	−181	418	+ 32	127	+19	19·06	+1·99	894	− 30	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	1425	−265	396	+ 95	124	+18	19·69	+0·81	974	− 92	36	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	1270	−198	292	− 53	143	+15	22·73	+3·35	798	− 45	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	1577	−137	256	− 3	137	+23	18·36	−2·27	883	− 53	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	1722	−185	96	− 13	108	− 5	13·55	−2·13	1106	−107	41	− 4

July 21-27, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	58	43	56·9	49·7	53·1	+ 0·1	78	0	1	0·02	− 0·57	20·8	− 9·6	18	− 8
	Stornoway	64	47	59·6	48·7	53·8	− 0·6	83	0	2	0·39	− 0·34	48·1	+ 16·7	41	+ 14
0. SCOTLAND, N. — Mainland.	Wick	65	46	60·1	47·9	53·6	− 1·3	81	0	2	0·09	− 0·55	*	*	*	*
	†Lairg (Strathpeffer)	73	41	64·9	45·9	54·7	+ 0·2	89	0	2	0·26	− 0·44	26·2	− 1·7	23	− 2
	Glencarron	67	40	61·9	45·4	53·1	− 1·4	78	0	2	0·85	− 0·49	*	*	*	*
	Fort Augustus	70	36	62·0	46·8	53·9	− 2·5	83	0	2	0·25	− 0·45	39·5	+ 17·6	34	+ 15
	Fort William	71	42	64·7	47·4	55·5	− 1·0	95	0	2	0·64	− 0·59	*	*	*	*
1. SCOTLAND, E.	Nairn	67	43	58·6	46·6	52·2	− 4·7	71	0	2	0·45	− 0·19	21·1	—	18	—
	Aberdeen	67	43	59·7	48·9	53·9	− 2·8	83	0	2	0·14	− 0·53	16·3	− 19·6	14	− 17
	†Balmoral (Crathes)	63	40	58·7	44·9	51·3	− 3·0	65	0	1	0·12	− 0·56	17·1	—	15	—
	†Crieff (Balruddery)	68	47	64·1	48·7	55·9	− 2·1	97	0	2	0·10	− 0·66	24·5	—	21	—
	†Leith (Edinburgh)	68	50	61·9	51·3	56·2	− 2·5	99	0	1	0·17	− 0·48	28·9	− 3·7	25	− 3
	Marchmont (Saltburn)	67	45	59·7	46·0	52·4	− 4·1	73	0	1	0·03	− 0·75	13·2	− 23·8	12	− 21
	†Alnwick Castle (Cockle Park)	71	44	60·6	48·0	53·9	− 3·7	83	0	2	0·03	− 0·62	24·1	—	22	—
2. ENGLAND, N.E. — Northern part.	†Shields (Newcastle)	71	48	61·6	49·4	55·1	− 2·5	92	0	3	0·07	− 0·57	21·0	—	19	—
	Durham	69	42	62·0	48·4	54·7	− 4·2	89	0	3	0·04	− 0·63	18·4	− 13·9	16	− 12
	Scarborough	72	49	63·6	52·1	57·5	− 1·5	109	0	0	0·00	− 0·61	24·9	− 12·0	22	− 11
	York	73	45	64·7	49·0	56·3	− 3·6	100	0	3	0·11	− 0·49	23·9	—	21	—
2. ENGLAND, N.E. — Southern part.	Spurn Head	70	50	62·0	52·0	56·7	− 3·4	103	0	4	0·20	− 0·23	28·4	− 10·6	25	− 9
	†Lincoln (Skegness)	72	42	65·0	49·0	56·4	− 4·6	101	0	3	0·39	− 0·16	*	*	*	*
	†Fulbeck (Rauceby)	70	42	64·0	49·3	56·1	− 4·4	99	0	4	0·54	− 0·02	29·6	—	27	—
3. ENGLAND, E. — Northern part.	Hillington	71	42	64·0	44·8	53·7	− 7·2	82	0	4	0·31	− 0·35	22·4	—	20	—
	†Yarmouth (Lowestoft)	73	46	62·4	50·9	56·3	− 4·3	100	0	4	0·31	− 0·35	26·2	− 18·3	24	− 17
	Geldeston	75	40	64·7	46·3	54·9	− 5·7	90	0	3	0·34	− 0·26	30·7	—	28	—
3. ENGLAND, E. — Southern part.	Cambridge (Cromer)	72	48	64·9	50·9	57·4	− 4·3	108	0	3	0·43	− 0·12	30·7	− 16·8	28	− 15
	Felixstowe	73	46	63·9	50·9	57·0	− 4·7	105	0	4	0·24	− 0·32	33·5	—	30	—
	Clacton-on-Sea	73	49	64·1	52·9	58·1	− 4·6	113	0	3	0·28	—	22·4	− 24·1	20	− 22
	Rothamsted	70	44	65·3	49·1	56·6	− 3·8	102	0	3	0·32	—	44·2	—	40	—
	†Shoeburyness (Southend)	72	49	65·1	52·7	58·5	− 4·2	116	0	5	0·72	+ 0·13	41·4	—	38	—
	London, Westminster (Dunmow)	72	49	67·3	53·9	60·1	− 2·9	127	0	3	0·47	+ 0·07	19·4	− 29·2	18	− 27
										5	0·75	+ 0·21	30·0	—	28	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	69	42	62·4	48·6	55·0	− 3·0	91	0	5	0·22	− 0·42	21·1	− 19·6	19	− 18
	†Bawtry (Worksop)	74	44	65·9	48·4	56·5	− 3·7	102	0	4	0·56	− 0·01	30·5	—	28	—
	Nottingham	71	46	64·3	51·3	57·4	− 3·3	108	0	4	0·65	+ 0·06	28·5	—	25	—
	Birmingham, Edgbaston	71	50	65·1	52·4	58·3	− 1·5	114	0	5	1·14	+ 0·50	21·5	—	19	—
	Oxford	71	50	67·1	52·6	59·4	− 1·7	122	0	5	2·03	+ 1·46	19·9	—	18	—
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	67	48	62·3	50·2	55·8	− 2·3	97	0	5	1·84	+ 1·13	21·0	− 24·3	19	− 22
	Shrewsbury	74	51	67·1	54·0	60·1	+ 0·1	127	0	5	0·57	—	26·0	—	23	—
	Hereford	77	51	68·0	53·1	60·0	− 0·4	126	0	6	2·17	+ 1·62	*	*	*	*
	Cirencester	75	50	67·2	52·3	59·2	− 0·2	120	0	5	2·30	+ 1·64	*	*	*	*
	Bath (Margate)	77	53	69·3	55·0	61·7	+ 0·6	138	0	4	2·86	+ 2·25	24·9	− 19·7	23	− 18
													28·3	—	26	—
5. ENGLAND, S.	Kew	73	48	67·9	53·9	60·4	− 1·5	129	0	5	0·68	+ 0·13	36·6	− 10·4	34	− 10
	Wisley, Surrey	72	45	68·8	53·6	60·7	− 2·0	131	0	4	0·49	—	24·1	− 22·4	22	− 21
	†Swarraton (Ventnor)	71	48	68·5	53·7	60·6	+ 0·9	130	0	4	0·58	− 0·02	26·1	—	24	—
	Tunbridge Wells	71	46	67·6	51·2	58·8	− 2·0	118	0	2	0·21	− 0·34	39·2	− 10·3	36	− 10
	†Dungeness (Littlestone)	64	54	63·3	55·4	59·1	− 2·4	120	0	3	0·19	− 0·20	32·1	− 15·1	29	− 14
	Hastings	65	49	63·8	53·2	58·1	− 3·3	113	0	3	0·43	− 0·08	39·3	—	36	—
	Southampton	72	51	69·1	56·0	62·1	− 0·6	141		5	0·82	+ 0·24	39·9	− 13·7	37	− 13
	†Portland Bill (Eastbourne)	69	56	62·4	56·7	59·4	− 2·6	122	0	4	0·73	—	28·6	− 21·4	26	− 20
													47·2	—	44	—
6. SCOTLAND, W.	†Laudale (Oban)	75	46	67·9	50·9	58·8	+ 1·8	118	0	2	0·47	− 0·73	46·6	− 6·4	43	− 6
	Glasgow	69	49	64·0	50·9	57·0	− 0·3	105	0	1	0·16	− 0·62	—	—	—	—
	Dumfries	75	51	68·2	54·7	61·0	+ 1·9	133	0	2	0·12	− 0·65	33·0	+ 1·6	29	+ 2
	Cally	72	45	66·8	48·2	56·9	− 0·3	104	0	2	0·55	− 0·33	*	*	*	*
	Douglas, Isle of Man	70	45	63·1	51·5	56·9	− 0·4	104	0	3	0·26	− 0·50	*	*	*	*
													43·0	− 0·4	38	0
7. ENGLAND, N.W.	Aspatria	70	44	65·3	49·1	56·6	− 1·6	102	0	2	0·06	− 0·88	48·7	—	43	—
	Newton Rigg	72	40	65·4	47·2	55·7	− 1·3	96	0	2	0·05	− 0·69	34·3	− 4·3	30	− 4
	Stonyhurst	68	46	63·8	50·7	56·8	− 1·6	104	0	3	0·87	− 0·13	34·8	− 3·8	31	− 3
	Blackpool	72	48	65·5	51·4	58·0	− 1·3	112	0	3	0·46	− 0·26	44·6	+ 3·6	40	+ 3
	Manchester, Prestwich	71	44	65·5	50·1	57·3	− 1·6	107	0	4	1·29	+ 0·46	24·0	− 11·3	22	− 10
	†Liverpool Obs. (Hoylake)	74	51	65·9	53·6	59·3	− 0·5	121	0	4	0·75	+ 0·08	30·9	—	28	—
	†Hawarden Bridge (Southport)	76	52	67·6	55·0	60·9	+ 0·4	132	0	5	1·52	+ 0·93	34·6	− 9·3	31	− 8
NORTH WALES	Llandudno	74	55	67·3	56·5	61·5	+ 1·5	137	0	5	0·83	+ 0·22	25·9	− 14·8	23	− 13
	†Holyhead (Aberdovey)	74	55	62·9	56·0	59·2	+ 0·6	120	0	4	0·75	+ 0·14	24·9	—	23	—
	Bettws-y-Coed	79	50	68·4	54·3	60·9	+ 0·8	132	0	5	0·89	—	17·3	—	16	—
8. SOUTH WALES	Llangammarch Wells	72	49	66·4	52·3	58·9	+ 0·1	118	0	6	3·76	—	17·0	—	16	—
	Pembroke	69	54	63·6	56·4	59·8	+ 0·8	125	0	4	0·87	+ 0·24	42·4	− 3·0	39	− 3
	†Cardiff (Aberystwyth)	77	52	68·3	54·8	61·1	− 0·1	134	0	5	0·48	− 0·36	25·5	—	23	—
8. ENGLAND S.W.	Clifton	79	55	70·1	57·0	63·1	+ 1·4	148	0	4	0·83	+ 0·12	28·2	—	26	—
	†Shaftesbury (Marlborough)	73	51	66·2	53·4	59·4	− 0·1	122	0	5	0·80	+ 0·15	18·5	− 24·1	17	− 22
	†Arlington (Newquay)	76	53	67·4	54·6	60·6	+ 2·0	130	0	3	0·96	− 0·04	29·4	− 18·9	27	− 18
	Cullompton	74	49	68·5	54·1	60·8	− 0·1	132	0	4	0·22	− 0·47	22·0	− 19·9	20	− 19
	Plymouth	72	55	65·2	57·3	61·0	0·0	133	0	5	0·42	− 0·24	26·8	− 20·3	25	− 19
	Falmouth (Torquay)	69	58	65·3	58·8	61·8	+ 1·6	139	0	5	1·72	+ 1·01	20·4	− 30·7	19	− 28
													23·8	− 25·5	22	− 24
9. IRELAND, N. — Western part.	Malin Head	65	51	62·1	53·3	57·4	+ 0·4	108	0	4	0·26	− 0·41	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	69	54	67·0	56·3	61·3	+ 3·6	135	0	3	0·50	− 0·26	*	*	*	*
	Markree Castle	78	50	69·9	54·9	61·9	+ 5·1	139	0	4	0·24	− 0·57	37·2	+ 8·5	33	+ 8
9. IRELAND, N. — Eastern part.	Armagh	77	46	68·3	52·1	59·6	+ 1·8	123	0	3	0·16	− 0·57	33·6	+ 2·5	30	+ 2
	Donaghadee	68	48	61·1	50·6	55·5	− 1·7	95	0	4	0·16	− 0·52	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	72	54	66·1	56·2	60·8	+ 0·8	132	0	4	0·33	− 0·31	28·9	− 8·1	26	− 7
	Kilkenny	76	54	70·4	57·0	63·2	+ 4·3	148	0	3	0·86	+ 0·21	*	*	*	*
	Waterford	74	54	69·0	56·9	62·5	+ 2·3	144	0	5	1·31	+ 0·58	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	79	49	70·9	55·1	62·5	+ 4·3	144	0	5	1·54	+ 0·83	40·8	+ 9·8	37	+ 9
	Foynes	76	54	69·2	56·3	62·3	+ 4·5	142	0	1	0·12	− 0·63	*	*	*	*
	Killarney	81	56	72·8	57·9	64·8	+ 6·0	160	0	4	0·19	− 0·63	*	*	*	*
	Valencia	71	53	67·9	56·7	61·9	+ 3·2	139	0	2	0·22	− 0·70	40·8	+ 6·8	37	+ 6
	†Roches Point (Ballinacurra)	70	57	66·7	57·0	61·5	+ 2·2	137	0	5	1·36	+ 1·12	29·4	—	27	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	69	58	66·3	59·6	62·7	+ 2·0	145	0	5	0·78	+ 0·22	23·1	− 26·3	21	− 24
	†Jersey, St. Aubins (St. Heliers)	76	58	69·4	59·0	63·8	+ 1·1	153	0	4	0·61	+ 0·07	31·0	− 25·0	29	− 23
	Guernsey	74	57	69·5	58·1	63·4	+ 2·1	150	0	3	0·75	+ 0·20	29·4	− 29·0	28	− 27

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 39·3 hrs., 36 %; Brighton, 43·2 hrs. (− 9·5), 40 % (− 9 %); Bournemouth, 33·3 hrs., 31 %; Bognor, 37·8 hrs., 35 %; Rhyl, 37·6 hrs., 34 %; Tenby, 42·5 hrs. (− 3·5), 30 % (− 3 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·4
	Crathes	0	32	57·7	54·5
	Balmoral	0	35	—	—
	Marchmont ..	—	—	57·6	—
2.	Cockle Park	0	38	57·5	54·2
	York	—	—	54·1	57·1
	Hull	0	40	57·4	54·0
	Lincoln	—	—	59·4	55·6
3.	Lowestoft	—	—	60·2	57·7
	Cambridge	0	40	61·3	58·1
	Dunmow	0	44	—	—
	Clacton-on-Sea ..	0	42	60·6	58·5
4.	Harrogate	0	35	56·1	54·2
	Sheffield	0	42	57·3	53·4
	— — ..				
	Birmingham	0	42	56·0	51·9
	Nottingham	0	43	58·7	56·4
	— — ..				
5.	Kew	0	38	62·0	57·3
	Canterbury	0	37	61·9	58·1
	Portsmouth	0	48	63·9	60·2
	Wisley	0	41	62·5	58·4
6.	— — ..				
	Glasgow	0	41	—	—
	— — ..				
7.	Newton Rigg ..	0	32	61·5	55·4
	Southport	0	41	63·9	61·4
	Manchester City ..	0	44	60·1	55·7
	Bettws-y-Coed ..	0	49	59·4	53·7
	— — ..				
8.	Llangammarch Wells	0	44	59·1	53·7
	Bath	—	—	64·5	60·1
	Plymouth	0	50	63·8	—
	— — ..				
9.	Armagh	0	40	64·2	57·7
	Markree Castle ..	0	48	—	—
10.	Dublin, Trin. Coll. ..	0	49	61·8	57·4
11.	Guernsey, Brooklyn	—	—	64·8	60·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	51	51·0
	Kirkwall	57	54	54·9
	Wick	52	51	51·1
SCOTLAND, E.	Cromarty	56	54	55·4
	Pennan Bay	58	52	54·3
	Aberdeen, Cove Bay ..	55	55	55·0
ENGLAND, N.E.	Burnmouth, Berwick ..	54	50	52·1
	Scarborough	60	52	55·4
ENGLAND, E.	Shipwash Lightship ..	60	58	59·3
	Margate	64	61	62·5
ENGLAND, S.E.	Eastbourne‡	63	62	62·6
SCOTLAND, W.	Lamlash	63	56	60·2
	Ballantrae	59	55	56·7
ENGLAND, N.W.	Port Erin	56	54	54·5
ENGLAND, S.W.	Newquay	62	61	61·3
	Plymouth‡	61	60	60·3
	Salcombe	57	56	57·0
IRELAND, N.W.	Sheephaven	64	57	58·4
	Ballyglass	63	57	60·1
IRELAND, S.W.	Cleggan	?66	57	60·6
	Seafield	68	61	64·2
IRELAND E.	Kingstown‡	59	58	58·6

‡ Only one observation each day.

INTERNATIONAL INVESTIGATION OF THE UPPER AIR, JULY 22ND TO 27TH, 1907.

The results of the kite ascents in connexion with the international investigation of the upper air are given on p. 240. A number of Registering Balloons (*ballons-sondes*) have also been sent up, six at Manchester and three at Ross (Herefordshire), for the joint-committee of the Royal Meteorological Society and the British Association; six at Petersfield by Mr. C. J. P. Cave, five at Crinan and four at Pyrton Hill, Oxon, for the Meteorological Office. The recording instruments for nearly all the ascents have been supplied by the Office. Up to Monday, July 29th, nine had been recovered and one has been reported since. Particulars of the ascents, so far as they are known, are as follows :—

At Pyrton Hill, Oxon, July 23rd, 2.43 p.m. (64°, Calm) 3 ft. diam., 6 oz. lift. Rose almost vertically and entered clouds at about 1,800 ft.

July 24th, 12.20 p.m. (66°, Calm) 2 ft. 11 ins. diam., 4½ oz. lift. Entered clouds at 2,500 ft., Alt. 60° E. 30° S. Reached about 30,000 ft. and fell 5 hours later 15 miles E. by S.

July 25th, 8 p.m. (55°. N.N.W. 5) 2 ft. 11 ins. diam., 4½ oz. lift. Entered clouds at about 8,000 ft. [Fell in France ?]. Wind in miles per hour from theodolite observations at 500 metres, N.W. 3; 1,000 m., W. 10; 1,500 m., W.N.W. 6; 2,000 m., S.S.W. 10; 2,500 m., S. 10.

July 26th, 7.55 p.m. (61°. S.S.W. 5) 3 ft. diam., 6½ oz. lift. Entered clouds at about 3,000 ft. Theodolite observations at 500 m., S. by W. 12; 1,000 m., S. 15.

At Ross, Herefordshire. July 23rd, 4.36 p.m. 40·4 ins. diam., 11 oz., lift. Reached perhaps 60,000 ft. and fell 60 miles E. by S.

At Ditcham Park, Petersfield, July 22nd, 12.47 p.m. Ascent for first 9 min., about 500 ft. per min. Wind S. changing to W. at about 3,000 ft., very light; about 15 m. per h. at 5,000 ft.

July 23rd, 4.35 p.m. Two balloons in tandem. Lost in clouds in about 6 min. Drifted to S.W. and then came back near the zenith. Found in Channel, off Bognor, on 24th.

July 24th, 6.19 p.m. Ascent for first 13 min. 570 ft. per min.; wind very light. Balloon watched with theodolite for 1 hr. 59 min. and was visible by reflected sunlight for 22 min. after sunset. After 67 min. parachute came off the balloon and hung down below.

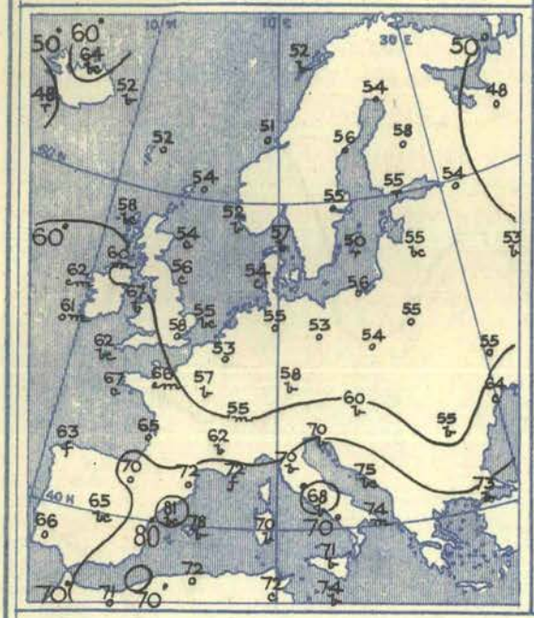
July 25th, 1.8 p.m. Two in tandem. (Teisserenc de Bort model.) Entered clouds in about 2½ min. Ascent lasted 16 min. Height about 18,000 ft., temperature perhaps —20°. Two small inversions at 3,500 ft. and 12,000 ft. approximately. Instruments found at Woodbeding, 8½ m. W.N.W.

July 26th, 7.14 p.m. Two in tandem. Went to N.E. but lost in clouds in half a minute.

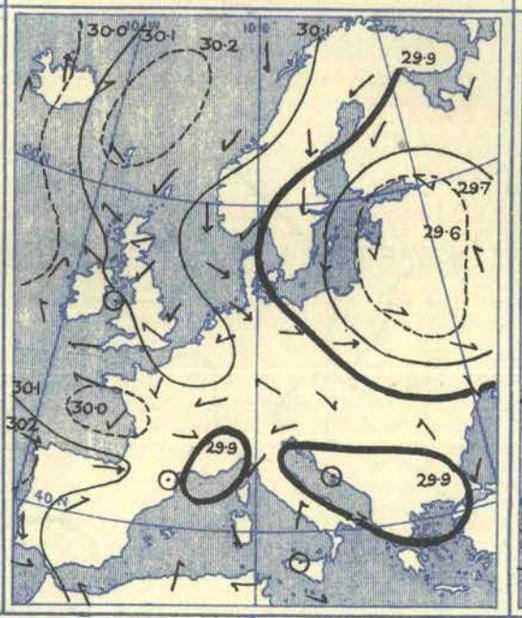
July 27th, 8.17 p.m. Two in tandem. Went E.N.E.

Sunday, 21st July, 1907.

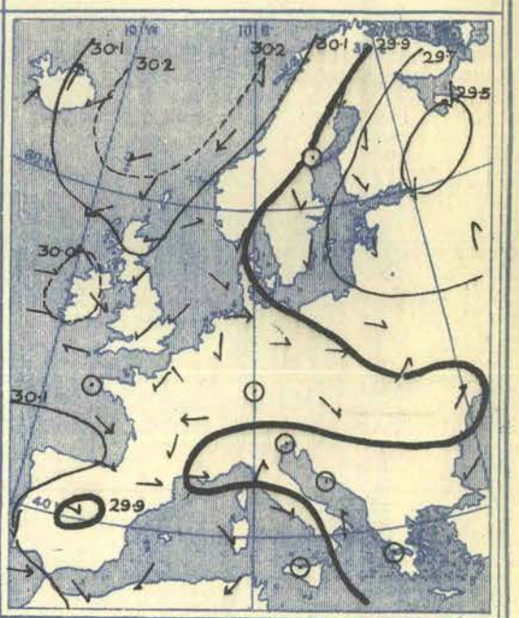
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at most stations over the southern half of Europe; cloudy or quite overcast in most localities further north, with drizzling rain at Nottingham and more decided rain at Wisby and Hangö. Thunderstorms later in many parts of England and Ireland and in the south of France. Rain very heavy locally in England; as much as 2·6 ins. falling at Bath within three hours. Considerable quantities experienced in Finland, and more than an inch at Turin.

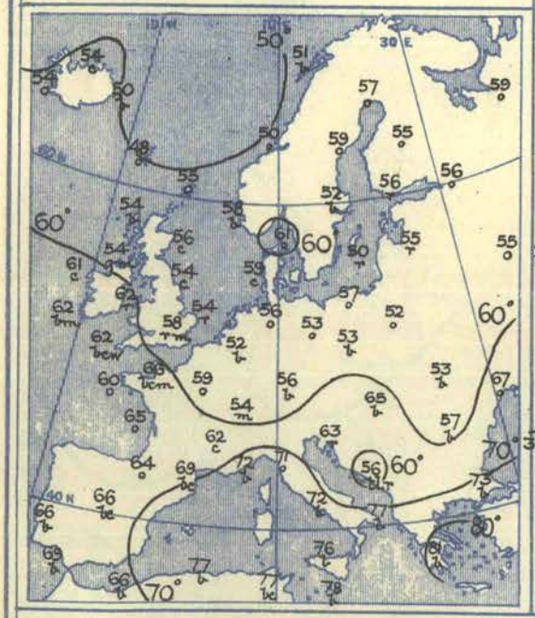
Temperature fallen over the north-east of our area, changed irregularly elsewhere. Morning readings above 70° at most stations in the far south and as high as 81° at Barcelona; below 60° over Europe as a whole, less than 55° in many places, and only 48° at Archangel. Rising during day to 95° at Tunis and to 90° or 91° at several stations in the south of Europe. Maxima nearly 80° at a few of our own stations, but only about 60° or rather lower on our east and north-east coasts.

Wind in morning light and rather variable over our Islands and their vicinity, and light anticyclonic to the northward of this country. A cyclonic circulation prevailing over Russia and the neighbouring portion of central Europe. Northerly current blowing strongly over the Baltic and Gulf of Bothnia. Little change occurring later in day.

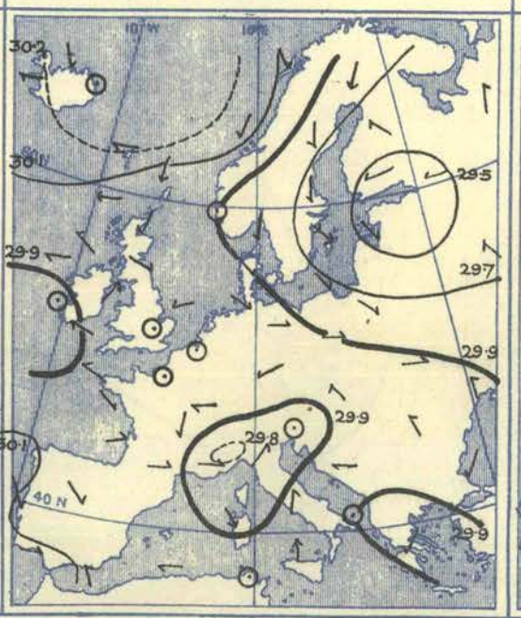
Barometer in morning above 30·2 ins. in an anticyclone lying between Norway and Iceland, and above 30·1 ins. over Great Britain; below 29·9 ins. in a depression over Gulf of Genoa and the surrounding regions, nearly as low over the west of France, and below 29·6 ins. in a large disturbance over Russia. Latter system travelling northwards during day. Some very shallow and ill-defined thunderstorm disturbances appearing over the United Kingdom. Barometer rising in Iceland, and anticyclone maintaining its position and intensity.

Monday, 22nd July, 1907.

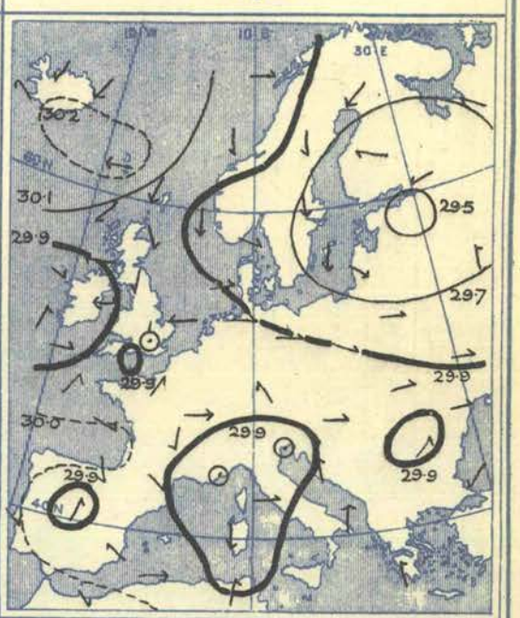
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in a few districts, but very unsettled as a whole. Rainy over the upper part of the Baltic and also on the eastern shores of the Adriatic, with a thunderstorm at Lesina. A thunderstorm prevailing at Oxford and rain falling at some of our other stations. Thunderstorms again experienced in England and Ireland, with 0·7 in. of rain at Birr Castle and 1·2 in. at Oxford. Smaller quantities of rain falling in the north of France and also in Germany, Russia, and the north of Scandinavia.

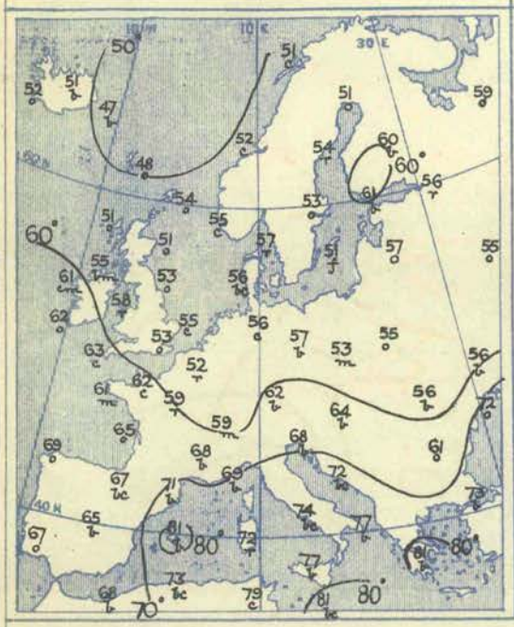
Temperature fallen in nearly all regions. Readings in morning only a little above 50° over the east of England and in Scotland, and equally low along the west coast of Norway, and in Poland and the Netherlands. Above 70° very generally over the Mediterranean region, and as high as 81° at Athens. Maxima during day 70° in London, 74° at Towyn and Birr Castle, and above 80° towards the south of our area. Thermometer rising to above 90° in several places, to 100° at Constantinople, and to 109° at Sfax.

Wind in morning showing a well-marked cyclonic circulation over Russia and its vicinity. North-westerly current blowing strongly or with gale force over Sweden. Light and rather variable elsewhere, but mainly cyclonic except in the far north. Little change later over Europe as a whole; gale subsiding in Sweden.

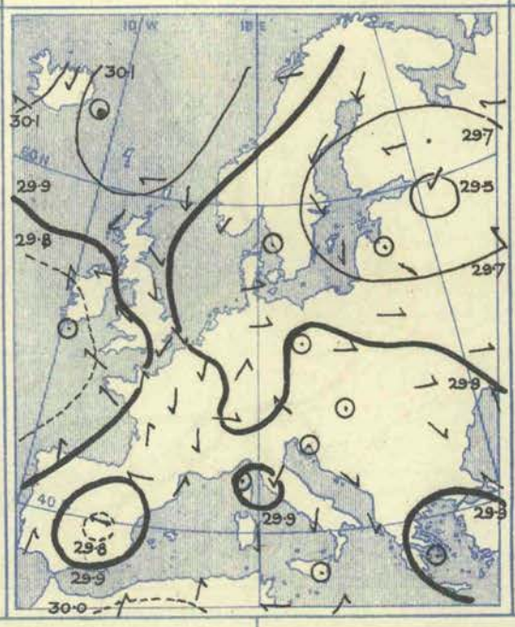
Barometer in morning ranging from above 30·2 ins. in a large area of high pressure having its central space over Iceland and its neighbourhood, to less than 29·9 ins. in a depression off the south-west of these Islands and in other systems in the south and south-east of Europe, and to below 29·5 ins. in a well-defined disturbance centred over the Baltic Provinces of Russia. Scarcely any change occurring in the general distribution of pressure during the succeeding twenty-four hours; western depression extending slowly over our western districts.

Tuesday, 23rd July, 1907.

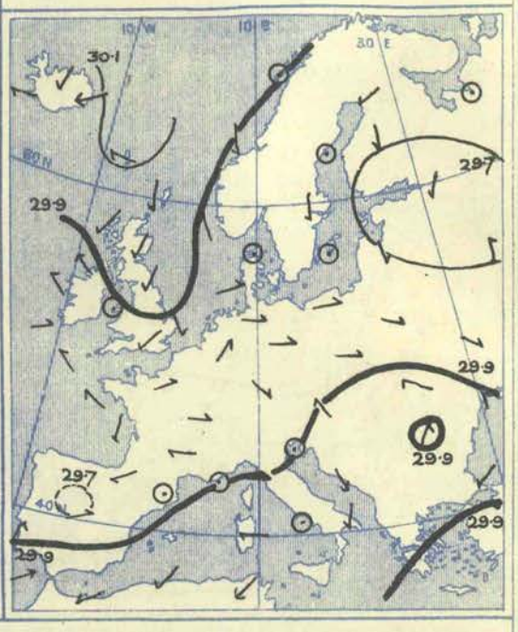
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright all over southern Europe and at many stations in Germany and Austria, but cloudy or dull over western and northern Europe, with rain at isolated places. Rain falling later in Sweden, Germany and France, as well as at certain stations in these Islands, heaviest amount, nearly 0·5 in., at Scilly and Lorient; thunderstorms with slight rain reported at Blacksod Point and Biarritz.

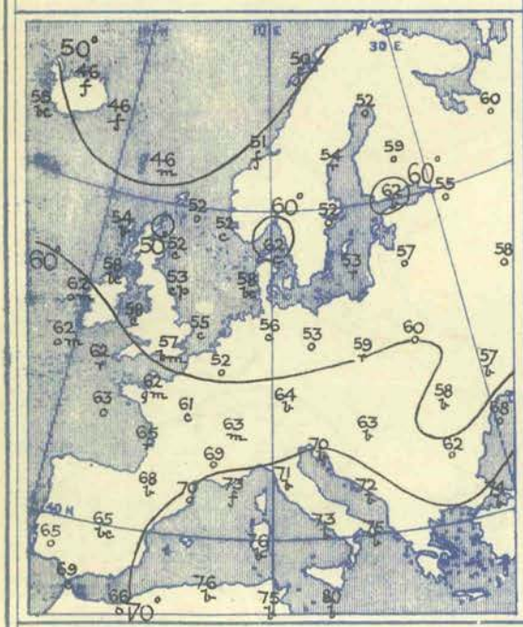
Temperature changed irregularly, but generally a little cooler over these Islands, and slightly warmer on the Continent. Readings at 8 a.m. ranging from about 50° over Iceland and the north of Scotland, to 63° at Scilly and 65° at Roche's Point, and to 70° or above on the shores of the Mediterranean. Rising during day to between 85° and 90° at many stations in the south of France and in Italy, and reaching 106° at Laghouat; highest reading in our Islands 70° at Valencia.

Wind South-Westerly to South-Easterly in a partial cyclonic circulation extending from Spain to our own south-western coasts; Northerly (NW to NE) over Scandinavia and the North Sea; Westerly over Germany and Poland; Northerly over Italy, and variable over the Mediterranean. Light or moderate in force generally. Little change later.

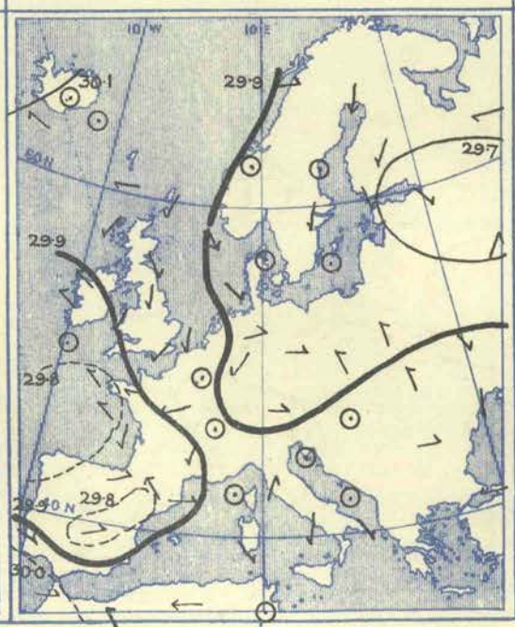
Barometer at 8 a.m. highest, 30·1 ins. and upwards, between Iceland and Faeröe; lowest, 29·5 ins. and less, in a depression near St. Petersburg, 29·8 ins. and less in another off our south-west coasts, and 29·9 ins. and less in three shallow systems over the Mediterranean region. Russian depression filling up somewhat by evening, changes elsewhere very slight.

Wednesday, 24th July, 1907.

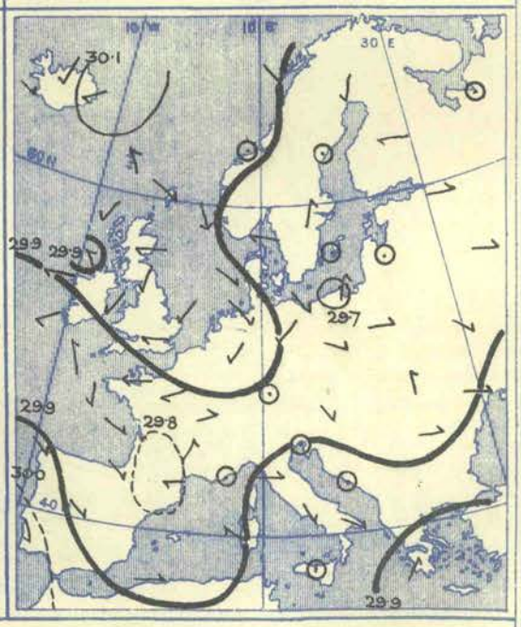
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in most parts of northern and north-western Europe, with fog off the west of Norway, mist on the coasts of Ireland, rain at Scilly and showers at Shields; rain also at some Swedish stations. Dull and rainy in Germany, but fine and bright in most parts of Austria and southern Russia, as well as over the countries bordering on the Mediterranean. Heavy rain later at our south-western stations, largest amount 1·3 in. at Roche's Point; thunderstorms occurring at Bilbao and Biarritz.

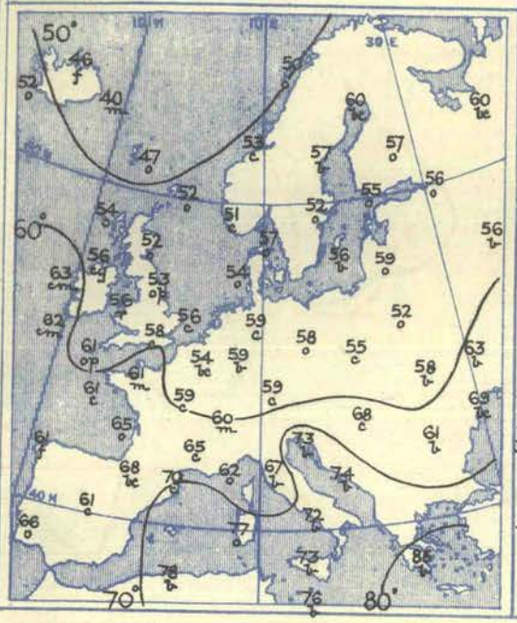
Temperature risen decidedly over central Europe and at some Algerian stations, and slightly in most parts of Western Europe. Morning readings ranging from below 50° in some parts of Iceland and Faeröe and about 50° in the north of Scotland and west of Norway, to 60° or above on our south-west coasts, to 70° and above in Italy, to 80° at Malta and to 81° at Aumale. Daily maxima not reaching 60° on many parts of our north and east coasts, exceeding that point in the south and west; highest readings 70° at Bath and 71° at Valencia, and over southern Europe between 80° and 90°.

Wind South-Easterly, light or moderate over Ireland and the south-west of England, Easterly over the Channel; Northerly (NE to NW) over Scandinavia and the North Sea; very variable and light over the Continent generally, but Westerly, moderate, over the Spanish Peninsula. Very little change later.

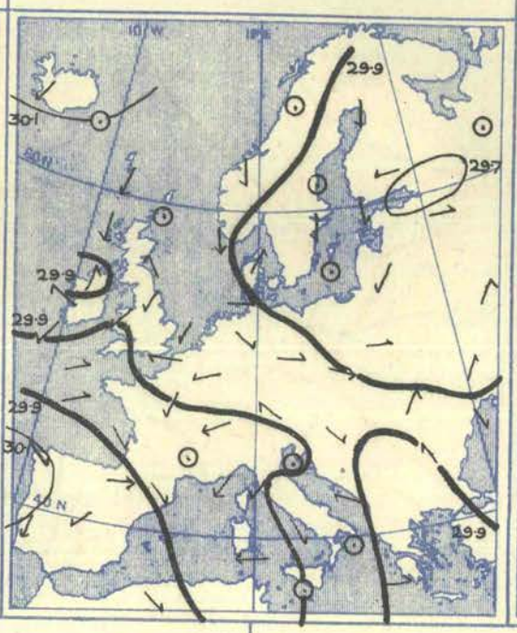
Barometer highest 30·0 ins. and upwards over the Faeroe-Iceland region, and also to the south-westward of Spain. Lowest 29·7 ins. and less in a depression over northern Russia; 29·8 ins. and less over the Bay of Biscay and also over the centre of the Peninsula. Russian depression filling up somewhat later, those in the south-west of Europe moving northwards; secondary system developing over North Germany.

Thursday, 25th July, 1907.

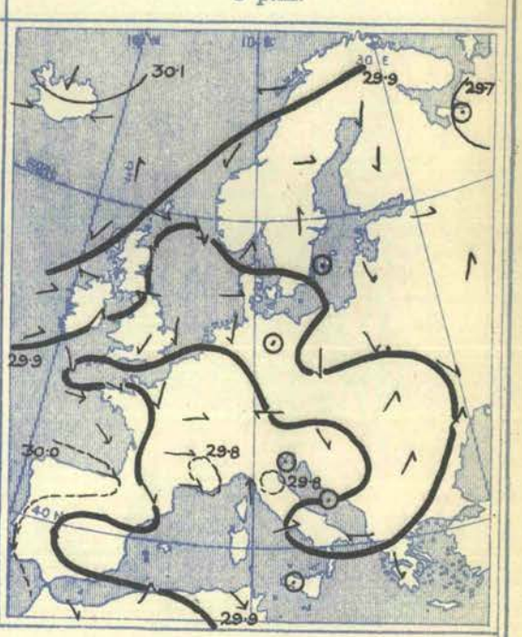
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at the Italian and some of the Austrian and Russian stations, cloudy or overcast over northern and western Europe as a whole, with rain on the west coast of Great Britain, and showers at Shields; raining also at Toulouse and a thunderstorm in progress at Cape Sicié. Rain general over England and Ireland later, but amounts not large; heavy fall in the north of Italy.

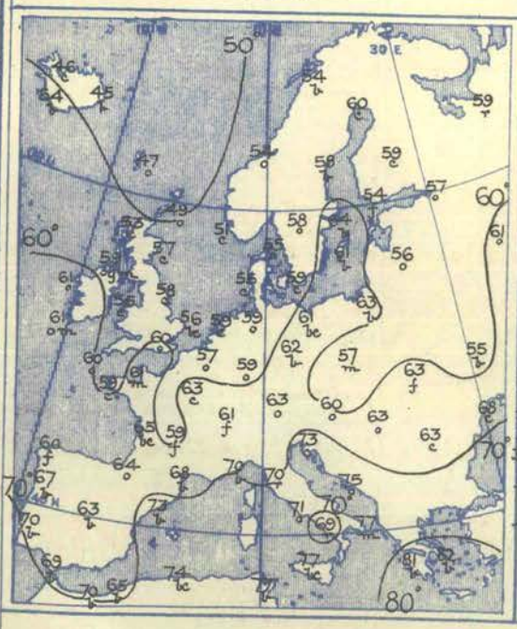
Temperature fallen at most of our western stations and from central Europe to the south of France, scarcely changed over our Islands as a whole and the northern countries of the Continent. Morning readings generally below 50° in the Icelandic region, between 52° and 63° over the British Isles; below 60° over northern and central Europe generally. Highest readings found in Italy, mostly above 70°, and in Greece, 80° to 85°. Maxima over these Islands below 70° generally and below 60° in places, highest reading 73° at Parsonstown.

Wind at 8 a.m. generally Northerly to Easterly over Scandinavia, the North Sea and the British Isles, Westerly to Northerly over the Bay of Biscay and the Spanish Peninsula; Westerly or South-Westerly over Germany and central Russia, and Northerly over Italy; light or moderate in force nearly everywhere, but strong breeze blowing at Skudesnaes. Scarcely any change later, but wind becoming more variable over the Continent.

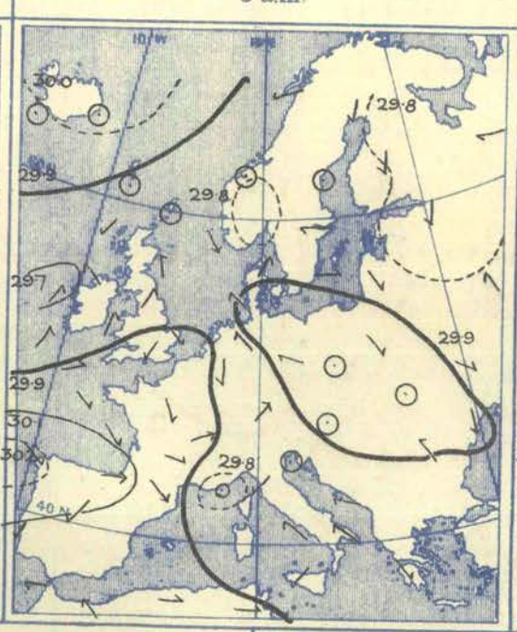
Barometer highest, 30·1 ins. and upwards, over Iceland and also over the Atlantic to the westward of Portugal. Lowest, 29·7 ins. and less, over northern Russia, and 29·9 ins. and less in a small depression near Londonderry, as well as in one at the mouth of St. George's Channel; similar readings found over south-eastern Europe. Very little change taking place during day, but pressure becoming very complex.

Friday, 26th July, 1907.

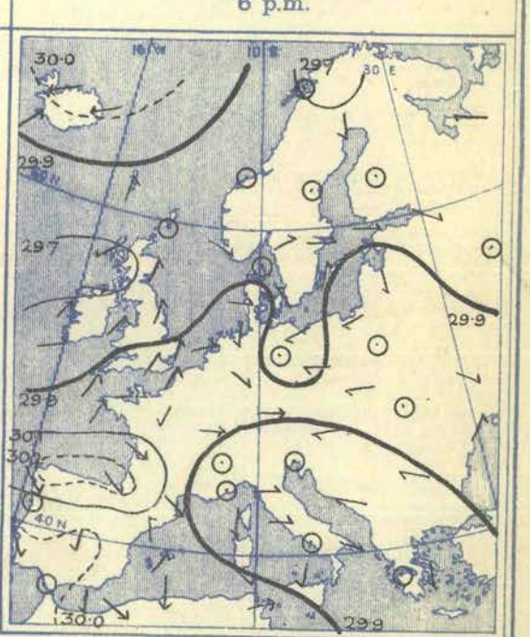
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair in the east of England, cloudy or overcast over the rest of the United Kingdom, with rain and fog or mist at many of our western stations; fair in most parts of the Continent, but rainy at most of the Italian stations, and mist or fog in isolated places. Rain falling during day in all parts of these Islands, but amounts not large; thunderstorm occurring at Lesina.

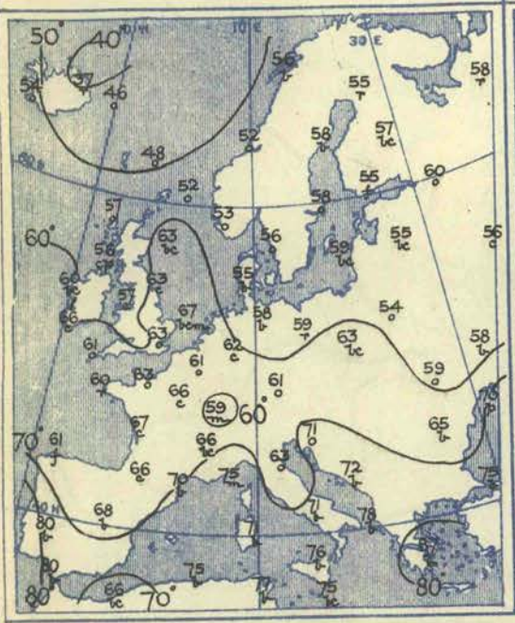
Temperature risen over Great Britain, changed irregularly over Europe as a whole. Morning readings ranging from 40° at Grimstadir (Iceland) to 60° or above over a large part of our area, to 70° and upwards at most of the Mediterranean stations and to over 80° over Greece. Rising during day to about 70° at Jersey and over the east of England, to between 80° and 90° in the south of France, and to over 90° at some of the Algerian and Grecian stations.

Wind South-Westerly to South-Easterly over Ireland and the west of Great Britain, Westerly to North-Westerly over the adjacent parts of the Continent, but light and very variable over Europe as a whole. South-Westerly current spreading eastwards to the North Sea during day; little other change.

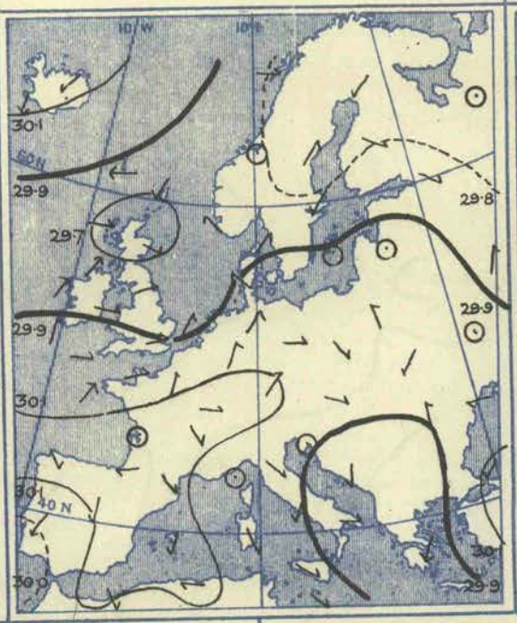
Barometer highest, 30·1 ins. to 30·2 ins., over the southern part of the Bay of Biscay and the adjacent parts of the Continent, and 30·0 ins. and upwards in the Arctic region. Lowest, 29·7 ins., off the west of Ireland, and 29·8 ins. and less in two shallow systems over northern Europe, and in another over the Gulf of Genoa. Atlantic depression advancing over the west of Scotland during day, those in the north disappearing from our area.

Saturday, 27th July, 1907.

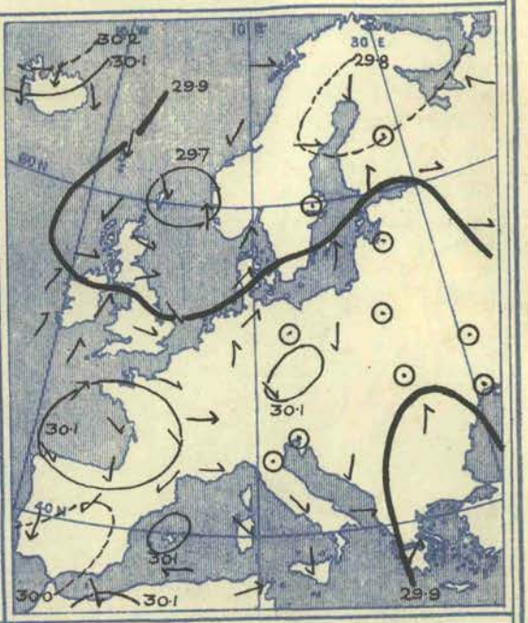
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over nearly the whole of southern and south-eastern Europe, fair to cloudy over the remainder of our area, with rain in Lapland, at Brest, and Berlin, and passing showers at one or two of the Irish stations; fog or mist in a few isolated places. Rain falling later in Norway, and at most of our own western and southern stations, as well as in the north of France and in some parts of Germany.

Temperature risen in most places. Morning readings ranging from 37° at Grimstadir (Iceland) and a little above 50° in Shetland and the west of Norway, to above 60° over a large portion of the south and east of our Islands and the Continent generally, to above 70° at most of the Mediterranean stations, and to 87° at Athens. Rising later to a little above 70° at many of the central and eastern English stations, to between 80° and 90° in many parts of France, Spain and Italy, to 97° at Tunis and to 99° at Athens.

Wind South-Westerly or Westerly over these Islands and the adjacent parts of the Continent, generally light or moderate in force; more variable over eastern, central and southern Europe. No important change taking place later.

Barometer at 8 a.m. highest, 30·1 ins. and upwards, in an anticyclone extending from the Bay of Biscay and north and east of Spain, to central Germany, and in another to the northward of Iceland. Lowest, 29·7 ins. and less, in a depression over the north of Scotland; 29·8 ins. and less in a shallow system over northern Europe, and 29·9 ins. in another over Italy, the Adriatic, and the adjoining States; below 30·0 ins. also off the south coast of Spain. Scottish depression moving eastwards to Scandinavia during day, that off the Spanish coast spreading in over the Peninsula.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. July 22nd, 12 noon to 4.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	58° 93% E by S, —	51° 93% E by S, 24						Two kites, 154 sq. ft. Light variable breeze, apparently calm above 1,660 ft.
July 23rd, 7.30 p.m. to 9.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	55° 80% E by S, —	55° 75% E by S, 24						One kite, 77 sq. ft. Light, very variable, breeze at 8.30 a.m., E by S; at 9 a.m. N, at 9.55 a.m., S. Upper clouds moving slowly in SSW direction.
July 24th, 10.10 a.m. to 1.10 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	64° 70% SSE, 8	57° 70% SE by E, 18						Three kites, 75 sq. ft.; 3,500 ft. wire. Wind entirely failed above. Clear sky. Cu. on NE horizon.
July 24th, 3.58 p.m. to 4.35 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	61° 70% SE, —	59° 75% ESE, 20	[53°] [80%] [ESE, 24]					One kite, 77 sq. ft. Calm up to 3 p.m. Light breeze later.
July 24th, 4.0 p.m. to 6.40 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	61° 80% SE by E, 12	56° 85% E by N, 18						Three kites, 75 sq. ft.; 3,750 ft. wire. Max. height, 1,900 ft. Clear sky, with few detached clouds. Haze over sea.
July 24th, 8.0 p.m. to 8.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	52° 90% SE by E, —	54° 80% ESE, 20						Two kites, 154 sq. ft.; 4,000 ft. wire. Apparently calm above 1,700 ft.
July 26th, 2.18 p.m. to 5.45 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	62° 90% SW by S, —	58° 95% SW by S, 23	52° 100% SW, 29	49° 95% SW by W, 30				Two kites, 154 sq. ft. Max. wire, 8,700 ft. Max. height, 5,710 ft. Min. temp. 48°. Temp. gradient zero at 4,000 ft.
July 26th, 2.56 p.m. to 3.39 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	71° 70% SW, 22	58° 80% SW, 20						One kite, 77 sq. ft. Max. height, 2,100 ft. Wind very light. Cumulus, not reached, and cirrus.
July 26th, 4.50 p.m. to 6.10 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	61° 90% W by S, 12	55° 70% W by N, 25						Earlier attempts to raise a kite failed for want of wind. Second ascent at 7.30 p.m. gave similar temperatures, but more wind and lower humidity. Scud level, 600 ft.
July 27th, 9.33 a.m. to 4.13 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	58° 90% W by N, —	54° 95% W by N, 26	46° 100% W by N, 28	43° 95% W by N, 31	35° 95% W by N, 33	39° 13% W by N, 38	[46°] [0%] [W by N, 39]	Three kites, 231 sq. ft.; 18,800 ft. wire. At 9,000 ft. inversion of 11°; humidity fell to zero. Max. height unknown, probably 10,000 ft. No record until 8,000 ft. reached again, when humidity rose rapidly to 100%.
July 27th, 10.45 a.m. to 1.35 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	62° 100% W by S, 20	60° 90% —, 25	60° 80% WNW, 35					One kite, 77 sq. ft.; 5,000 ft. wire. Max. height, 3,800 ft. Thick sea fog which cleared during the ascent. S. Cu., not reached.
July 27th, 4.40 p.m. to 6.50 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	62° 85% W by N, 25	61° 65% NW by W, 30						Two kites, 104 sq. ft.; 5,000 ft. wire. Max. height, 2,500 ft. No change of temp. Light scud at 950 ft.
July 27th, 5.55 p.m. to 6.10 p.m.	Glossop Moor, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m per hr.	63° 71% W by N, —	58° 78% W by N, 26						One kite, 77 sq. ft.

63, Victoria Street, London, S.W. *July 31st, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 31. THIRTY-FIRST WEEK, ENDING SATURDAY, AUGUST 3RD, 1907. [*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was changeable and unsettled over the whole Kingdom, but rain was more frequent in the north and west than elsewhere. Thunderstorms occurred in the south-east of Scotland, thunder at Donaghadee on Monday, and in many places in the Midlands and south-east of England on the following day.

Temperature was below the normal in all districts, the deficit ranging from 4° in Scotland E. to rather less than 1° in Ireland S. The highest of the maxima, recorded on irregular dates, were 75° in England E. and the Midland Counties and about 73° in several other districts. In Scotland N. and E. the thermometer only reached 69°, and in Ireland N. 68°. The absolute minima were low for the time of year. In Scotland E. the thermometer fell to 35°, in Scotland N. to 37°, and in England E. and S.W. to 39°. Elsewhere the minima ranged from 40° in many parts of England and in Scotland W. to 43° in Ireland S., and to 46° in the English Channel. The lowest readings on the grass reported were 28° at Balmoral and 32° at Llangammarch Wells.

Mean Temperature of the Sea was lower than during the preceding week on many parts of the Irish and Scottish coasts—as much as 4° at Lamlash. The actual values ranged from 63°·4 at Seafield and 62°·6 at Margate to 51°·7 at Lerwick.

Rainfall varied much in different parts of the Kingdom. In Ireland there was a considerable excess, and in England N.E. and the English Channel a considerable deficit. More than an inch was measured at Arlington on Friday, and also along the west coast of Ireland both on Friday and Saturday.

Bright Sunshine was below the average over the Kingdom generally. The percentage of the possible duration ranged from 43 in the English Channel, and 42 in England S. and E. to 24 in Ireland N., 22 in Scotland E., and to 18 in Scotland N.

Barometer and Wind.—The general distribution of pressure was favourable for the passage of cyclonic systems from the Atlantic across these Islands, and as some of these disturbances were of considerable size and depth, the accompanying winds were sometimes rather strong in force. On Tuesday, Wednesday and Thursday, the general direction was from the North-Westward, but both at the beginning and end of the period the wind was Westerly or South-Westerly over England and the south of Ireland, and South-Easterly or Easterly in the far north and north-west of the Kingdom.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 244.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Light
	Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 9 weeks from June 2nd.	Warmth ...	2*6	1*7	1*7	1*6	1*6	0*7	1*6	1*6	1*7	2*5	2*5	2*6
	Rainfall ...	4*2	2*2	2*2	1*2	4*1	3*2	3*2	4*1	5*2	5*2	4*1	3*4
	Sunshine ...	2*5	1*6	0*3	0*4	1*5	2*4	1*5	1*4	1*3	1*2	1*4	2*6

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5*4	5*3	7*0	7*3	6*1	5*5	7*4	6*2	5*3	4*4	7*1	6*3
	Rainfall ...	3*7	3*7	2*6	1*7	1*7	1*9	4*5	2*6	3*7	2*6	3*5	1*9
	Sunshine ...	3*2	4*3	8*0	9*1	7*1	7*1	5*2	6*1	3*3	4*3	5*2	6*2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5

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II.--SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (31st)—July 28th to August 3rd, 1907.

DISTRICTS. (See p. 243.)	Temperature.										Rainfall.				Sunshine.			
			Means of				Accumulated Number of Day-Degrees.											
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	69	37	57·7	46·8	51·9	− 2·9	69	− 20	0	0	6	+ 1	0·67	−0·14	21	− 5	18	− 5
Eastern																		
1 SCOTLAND, EAST	69	35	59·3	47·1	52·8	− 4·0	76	− 28	0	0	5	+ 1	0·68	+0·03	24	− 10	22	− 9
2. ENGLAND, N.E.	74	40	64·8	50·2	57·0	− 1·7	105	− 12	0	0	4	+ 1	0·49	−0·20	35	0	32	0
3. ENGLAND, EAST	75	39	67·5	51·6	59·0	− 1·5	119	− 11	0	0	3	0	0·65	+0·14	45	+ 2	42	+ 2
4. MIDLAND COUNTIES	75	40	66·2	49·9	57·5	− 2·3	109	− 15	0	0	4	+ 1	0·78	+0·22	42	+ 3	39	+ 3
5. ENGLAND, SOUTH	73	40	66·3	52·4	58·9	− 2·6	118	− 18	0	0	4	+ 1	0·36	−0·12	45	0	42	0
Western																		
6. SCOTLAND, WEST	72	40	62·9	49·1	55·5	− 1·8	95	− 12	0	0	4	0	0·84	−0·03	31	− 6	28	− 6
7. ENGLAND, N.W.	70	43	62·8	51·2	56·6	− 2·4	102	− 17	0	0	5	+ 2	0·61	−0·17	30	− 8	27	− 8
8. ENGLAND, S.W.	72	39	64·4	51·5	57·5	− 2·4	109	− 16	0	0	4	+ 1	0·85	+0·18	39	− 6	37	− 6
9. IRELAND, NORTH	68	37	62·0	50·7	56·0	− 1·6	98	− 11	0	0	6	+ 1	1·27	+0·46	26	− 4	24	− 3
10. IRELAND, SOUTH	73	43	64·7	52·9	58·3	− 0·9	114	− 6	0	0	5	+ 1	1·26	+0·45	30	− 4	28	− 4
11. ENGLISH CHANNEL	73	46	65·6	55·7	60·3	− 1·4	128	− 10	0	0	3	0	0·13	−0·40	45	− 11	43	−10

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 9 Weeks, June 2nd to August 3rd, 1907.

0. SCOTLAND, NORTH	86	33	*	*	*	*	603	−126	1	+ 1	44	+ 7	6·87	+0·74	247	− 48	23	− 4
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	654	−208	0	0	41	+ 9	5·82	+0·77	266	− 82	25	− 8
2. ENGLAND, N.E.	76	35	*	*	*	*	814	−145	0	0	36	+ 8	3·99	−0·55	324	− 28	31	− 3
3. ENGLAND, EAST	77	37	*	*	*	*	919	−159	0	0	29	+ 2	3·53	−1·03	357	− 70	35	− 7
4. MIDLAND COUNTIES	82	37	*	*	*	*	853	−201	0	0	40	+13	5·95	+1·32	327	− 56	32	− 6
5. ENGLAND, SOUTH	81	37	*	*	*	*	932	−198	0	0	31	+ 6	3·43	−0·77	390	− 48	39	− 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	787	−114	0	0	41	+ 8	8·20	+1·24	302	− 70	29	− 7
7. ENGLAND, N.W.	81	37	*	*	*	*	826	−170	0	0	46	+16	7·82	+2·25	321	− 65	31	− 6
8. ENGLAND, SW	82	34	*	*	*	*	869	−181	0	0	41	+12	7·16	+1·66	370	− 70	37	− 7
9. IRELAND, NORTH	81	37	*	*	*	*	780	−137	0	0	47	+ 9	7·82	+1·61	295	− 18	28	− 2
10. IRELAND, SOUTH	85	37	*	*	*	*	919	− 96	0	0	44	+12	7·23	+1·33	322	− 27	32	− 3
11. ENGLISH CHANNEL	78	44	*	*	*	*	1004	−122	0	0	32	+ 3	3·34	−0·95	440	− 65	44	− 7

THE YEAR.—Aggregates, &c., for the period of 31 Weeks, December 30th, 1906, to August 3rd, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	1006	−153	522	− 21	156	+15	30·09	+4·85	750	− 52	26	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1118	−278	599	+ 11	121	+ 5	16·35	+0·59	859	− 52	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1408	−103	501	+ 26	114	+ 9	12·79	−0·23	981	+ 82	34	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1578	−191	518	− 3	106	+ 4	12·23	−0·75	1041	− 21	37	− 1
4. MIDLAND COUNTIES	82	10	*	*	*	*	1538	−235	540	+ 7	114	+13	15·10	+0·79	918	− 32	32	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	1648	−249	434	+ 53	101	+ 5	12·62	−1·19	1081	+ 12	38	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1355	−134	404	− 6	131	+ 9	27·81	+2·82	852	− 93	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1422	−198	418	+ 32	132	+21	19·67	+1·82	924	− 38	32	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	1534	−281	396	+ 95	128	+19	20·54	+0·99	1013	− 99	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1368	−209	292	− 53	149	+16	24·00	+3·81	824	− 49	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	1691	−143	256	− 3	142	+24	19·62	−1·82	913	− 57	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	1850	−195	96	− 13	111	− 5	13·68	−2·53	1151	−118	41	− 4

III.—DATA from which the SUMMARY on page 242 has been calculated.

July 28-August 3, 1907.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	54	45	52·1	46·0	48·8	− 3·9	48	0	5	0·60	− 0·03	13·4	− 16·2	12	− 14
	Stornoway	60	44	56·0	47·7	51·6	− 2·8	67	0	6	0·71	− 0·06	27·8	− 3·5	24	− 3
0. SCOTLAND, N. — Mainland.	Wick	62	38	57·3	45·6	51·0	− 3·8	63	0	7	0·51	− 0·12	*	*	*	*
	†Lairg (Strathpeffer)	69	41	59·7	46·0	52·4	− 2·3	73	0	5	0·52	− 0·16	24·9	− 3·4	22	− 3
	Glencarron	63	43	57·8	46·4	51·7	− 3·1	68	0	6	1·58	+ 0·15	*	*	*	*
	Fort Augustus	64	44	60·4	48·1	53·8	− 2·7	83	0	5	0·32	− 0·43	18·0	− 3·5	16	− 3
	Fort William	67	37	60·6	48·0	53·9	− 2·9	83	0	6	0·43	− 0·83	*	*	*	*
	(West Linton)												24·8	—	22	—
1. SCOTLAND, E.	Nairn	63	42	58·3	47·1	52·3	− 4·3	72	0	6	0·63	+ 0·02	19·0	—	17	—
	Aberdeen	63	46	58·1	49·0	53·2	− 3·2	78	0	6	0·53	− 0·14	25·7	− 9·8	23	− 9
	†Balmoral (Crathes)	63	35	54·1	44·1	48·8	− 5·1	48	0	6	0·54	− 0·18	21·1	—	19	—
	†Crieff (Balruddery)	69	39	61·9	45·6	53·2	− 4·4	78	0	3	0·91	+ 0·10	33·6	—	30	—
	†Leith (Edinburgh)	68	45	61·6	50·4	55·6	− 3·0	95	0	5	0·59	− 0·05	24·1	− 8·6	22	− 8
	Marchmont	67	40	61·7	46·3	53·5	− 2·8	81	0	4	0·85	+ 0·06	22·8	− 13·2	21	− 12
	(Saltburn)												30·4	—	28	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	70	40	63·3	49·1	55·7	− 1·6	96	0	4	0·21	− 0·46	23·3	—	21	—
	†Shields (Newcastle)	70	41	62·4	49·3	55·4	− 2·2	94	0	3	0·45	− 0·19	21·4	− 10·2	20	− 9
	Durham	69	43	63·1	49·1	55·6	− 2·8	95	0	3	0·17	− 0·48	26·5	− 9·3	24	− 8
	Scarborough	73	47	65·7	51·9	58·3	− 0·4	114	0	3	0·20	− 0·42	36·3	—	33	—
	York	71	44	65·4	49·0	56·6	− 3·0	102	0	6	0·72	+ 0·12	30·6	− 6·9	28	− 6
2. ENGLAND, N.E. — Southern part.	Spurn Head	71	51	64·7	54·3	59·1	− 0·7	120	0	4	0·31	− 0·15	*	*	*	*
	†Lincoln (Skegness)	74	42	67·7	49·6	58·0	− 2·5	112	0	3	0·98	+ 0·43	47·7	—	44	—
	†Fulbeck (Rauceby)	73	42	66·3	49·0	57·1	− 3·4	106	0	4	0·89	+ 0·33	46·9	—	43	—
3. ENGLAND, E — Northern part.	Hillington	73	39	67·1	47·0	56·4	− 4·3	101	0	4	1·31	+ 0·65	41·6	− 2·0	39	− 2
	†Yarmouth (Lowestoft)	74	47	66·7	53·9	59·9	− 0·5	125	0	4	0·69	+ 0·11	47·0	—	44	—
	Geldeston	75	43	69·2	50·5	59·2	− 1·2	120	0	3	0·34	− 0·20	42·0	− 4·6	39	− 4
	(Cromer)												46·6	—	43	—
3. ENGLAND, E — Southern part.	Cambridge	74	40	67·5	49·6	57·9	− 3·5	111	0	3	0·87	+ 0·32	46·9	+ 1·3	44	+ 1
	Felixstowe	74	46	67·6	53·1	59·9	− 1·8	125	0	3	0·75	—	49·6	—	46	—
	Clacton-on-Sea	72	47	66·7	53·6	59·7	− 3·0	124	0	3	0·49	—	43·7	—	41	—
	Rothamsted	71	41	66·4	49·7	57·5	− 2·6	109	0	4	0·60	+ 0·01	47·9	+ 0·2	45	0
	†Shoeburyness (Southend)	72	47	68·0	53·7	60·4	− 2·3	129	0	3	0·38	− 0·02	45·5	—	43	—
	London, Westminster	72	46	67·9	53·0	59·9	− 2·7	125	0	4	0·43	− 0·11	43·0	+ 2·8	40	+ 3
	(Dunmow)												50·2	—	47	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	69	42	63·1	49·0	55·6	− 2·2	95	0	5	1·01	+ 0·37	32·5	—	30	—
	†Bawtry (Worksop)	75	44	68·4	49·4	58·2	− 1·6	113	0	2	0·57	+ 0·01	36·0	+ 0·2	33	0
	Nottingham	73	43	66·4	50·1	57·7	− 2·6	110	0	4	1·23	+ 0·64	46·4	—	43	—
	Birmingham, Edgbaston	73	45	64·8	50·3	57·1	− 2·5	106	0	4	0·96	+ 0·34	40·8	—	38	—
	Oxford	71	44	66·9	51·3	58·6	− 2·3	116	0	4	0·56	0·00	47·3	+ 2·9	44	+ 3
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)												46·5	—	43	—
	Shrewsbury	71	43	66·2	49·4	57·2	− 2·6	106	0	6	0·96	—	*	*	*	*
	Hereford	73	43	67·6	49·8	58·1	− 2·0	113	0	4	0·28	− 0·27	*	*	*	*
	Cirencester	69	40	65·5	48·6	56·5	− 2·6	102	0	4	0·53	− 0·14	44·3	+ 0·5	41	+ 1
	Bath	72	45	67·3	51·4	58·8	− 2·2	118	0	3	0·95	+ 0·32	40·9	—	38	—
	(Margate)												43·8	− 2·4	41	− 2
5. ENGLAND, S.	Kew	73	44	68·0	51·8	59·3	− 2·2	121	0	4	0·53	− 0·02	48·1	+ 2·5	45	+ 2
	Wisley, Surrey	72	45	68·4	52·0	59·6	− 2·7	123	0	4	0·41	—	48·3	—	45	—
	†Swarraton (Ventnor)	70	40	66·1	49·7	57·3	− 2·1	107	0	5	0·41	− 0·23	45·8	− 2·6	43	− 3
	Tunbridge Wells	70	44	67·2	51·1	58·6	− 1·8	116	0	2	0·31	− 0·24	41·9	− 4·7	39	− 4
	†Dungeness (Littlestone)	68	45	65·0	53·0	58·6	− 2·9	116	0	3	0·33	− 0·09	41·8	—	39	—
	Hastings	67	46	64·9	52·0	58·0	− 3·5	112	0	4	0·51	− 0·02	39·8	− 12·5	38	− 12
	Southampton	72	48	69·3	53·7	61·0	− 1·3	133	0	3	0·24	− 0·36	47·3	− 2·1	45	− 2
	†Portland Bill (Worthing)	64	52	61·7	55·6	58·4	− 3·7	115	0	3	0·13	—	45·4	—	43	—
	(Eastbourne)												46·9	− 4·6	44	− 4
6. SCOTLAND, W.	Laudale	67	40	61·7	48·5	54·6	− 2·3	88	0	5	0·70	− 0·55	—	—	—	—
	Glasgow	66	42	60·0	49·5	54·4	− 2·7	87	0	4	1·30	+ 0·46	30·9	− 0·1	28	0
	Dumfries	72	42	65·5	49·0	56·7	− 2·3	103	0	4	0·48	− 0·33	*	*	*	*
	Cally	68	44	65·6	48·6	56·5	− 0·3	102	0	5	0·89	− 0·05	*	*	*	*
	Douglas, Isle of Man	65	45	61·9	50·0	55·5	− 1·7	95	0	4	0·83	− 0·01	31·0	− 11·1	28	− 10
7. ENGLAND, N.W.	Aspatria	70	45	62·7	49·1	55·4	− 2·7	94	0	6	0·45	− 0·50	25·8	—	24	—
	Newton Rigg	64	43	60·9	46·9	53·4	− 3·3	80	0	6	0·90	+ 0·15	23·5	− 13·8	21	− 13
	Stonyhurst	67	46	61·8	50·5	55·8	− 2·3	97	0	5	0·65	− 0·42	27·2	− 10·1	25	− 9
	Blackpool	67	51	62·1	53·4	57·5	− 1·7	109	0	6	0·37	− 0·38	38·6	− 1·1	35	− 1
	Manchester, Prestwich	69	43	64·1	49·2	56·1	− 2·7	99	0	5	0·78	− 0·06	38·0	+ 4·2	35	+ 4
	†Liverpool Obs. (Hoylake)	67	51	63·0	53·1	57·7	− 2·0	110	0	5	0·32	− 0·36	36·3	—	33	—
	†Hawarden Bridge (Southport)	69	48	64·9	52·1	58·1	− 2·4	113	0	5	0·62	0·60	42·9	+ 0·6	39	+ 1
NORTH WALES	Llandudno	66	51	64·1	53·9	58·6	− 1·5	116	0	3	0·58	− 0·06	30·5	− 9·3	28	− 9
	†Holyhead (Aberdovey)	64	49	61·7	52·1	56·6	− 2·1	102	0	5	0·86	+ 0·20	26·8	—	25	—
	Bettws-y-Coed	66	43	63·1	51·6	57·0	− 3·0	105	0	5	0·58	—	21·1	—	20	—
8. SOUTH WALES	Llangammarch Wells	67	39	63·1	47·9	55·0	− 3·5	91	0	5	0·96	—	36·3	—	34	—
	Pembroke	62	50	60·6	53·4	56·8	− 2·2	104	0	5	0·91	+ 0·27	42·0	− 3·0	39	− 3
	†Cardiff (Aberystwyth)	67	42	65·9	50·1	57·5	− 3·5	109	0	5	1·09	+ 0·19	23·0	—	21	—
8. ENGLAND S.W.	Clifton	70	50	66·5	53·8	59·7	− 1·7	124	0	2	0·12	− 0·63	42·1	—	39	—
	†Shaftesbury (Marlborough)	66	45	63·8	50·7	56·8	− 2·6	104	0	3	0·39	− 0·27	37·9	− 4·0	35	− 4
	†Arlington (Newquay)	66	43	63·7	51·0	56·9	− 1·5	104	0	4	1·71	+ 0·67	42·5	− 5·2	40	− 5
	Cullompton	72	40	67·8	50·1	58·3	− 2·2	114	0	3	1·04	+ 0·34	41·4	− 0·2	39	0
	Plymouth	65	46	63·2	52·3	57·4	− 3·5	108	0	5	0·87	+ 0·20	43·9	− 2·4	41	− 2
	Falmouth	67	50	64·6	54·3	59·1	− 1·0	120	0	4	0·55	− 0·19	42·7	− 7·7	40	− 7
	(Torquay)												48·4	− 0·3	46	0
9. IRELAND, N. — Western part.	Malin Head	64	48	59·7	51·3	55·2	− 1·9	92	0	6	1·08	+ 0·38	*	*	*	*
	Edenfel									7	3·09	+ 2·21	*	*	*	*
	Blacksod Point	65	51	61·4	52·9	56·9	− 0·9	104	0	7	1·09	+ 0·22	25·2	− 3·8	23	− 4
	Markree Castle	68	37	62·6	49·2	55·4	− 1·4	94	0							
9. IRELAND, N. — Eastern part.	Armagh	68	44	64·3	50·2	56·8	− 0·9	104	0	7	0·64	− 0·13	27·2	− 3·4	25	− 3
	Donaghadee	68	46	61·9	49·9	55·5	− 1·7	95	0	5	0·43	− 0·29	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	68	47	64·9	54·1	59·1	− 0·6	120	0	6	0·26	− 0·41	33·2	− 4·3	31	− 4
	Kilkenny	68	43	64·6	51·4	57·5	− 1·4	109	0	5	0·97	+ 0·26	*	*	*	*
	Waterford	69	46	65·3	52·3	58·4	− 1·0	115	0	5	1·46	+ 0·68	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	69	47	64·3	52·6	58·0	− 0·3	112	0	6	0·58	− 0·20	26·3	− 5·3	24	− 5
	Foynes	69	47	65·0	52·6	58·4	+ 0·4	115	0	6	0·80	0·00	*	*	*	*
	Killarney	73	46	66·7	53·1	59·4	+ 0·6	122	0	6	1·50	+ 0·61	*	*	*	*
	Valencia	68	47	62·7	53·3	57·7	− 1·3	110	0	5	2·65	+ 1·65	26·3	− 8·1	25	− 8
	†Roches Point (Ballinacurra)	67	48	63·7	53·4	58·2	− 1·2	113	0	3	1·82	+ 1·01	34·6	—	32	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	65	55	63·4	56·1	59·5	− 1·2	123	0	5	0·25	− 0·32	36·1	− 14·3	34	− 14
	†Jersey, St. Aubins (St. Heliers)	73	46	67·0	55·6	60·9	− 1·8	132	0	1	0·08	− 0·47	50·0	− 5·5	48	− 5
	Guernsey	69	52	66·5	55·5	60·6	− 0·8	130	0	4	0·05	− 0·53	49·9	− 7·8	48	− 8

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 48·3 hrs., 45 %; Brighton, 42·1 hrs. (− 9·8), 40 % (− 8 %); Bournemouth, 53·1 hrs., 50 %; Bognor, 47·8 hrs., 45 %; Rhyl, 40·8 hrs., 38 %; Tenby, 44·8 hrs. (− 0·8), 42 % (− 1 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·5
	Crathes	0	36	57·6	54·8
	Balmoral	1	28	—	—
	Marchmont ..	—	—	57·3	—
2.	Cockle Park	0	33	56·4	54·0
	York	—	—	57·1	54·8
	Hull	0	39	59·1	54·0
	Lincoln	—	—	59·7	56·0
3.	Lowestoft	—	—	61·7	58·1
	Cambridge	0	36	61·5	58·4
	Dunmow	0	39	—	—
	Clacton-on-Sea ..	0	40	60·4	58·9
4.	Harrogate	0	36	56·2	54·7
	Sheffield	0	40	58·3	54·0
	— — ..				
	Birmingham	0	33	54·6	52·2
	Nottingham	0	38	59·2	56·9
	— — ..				
5.	Kew	0	34	61·5	58·0
	Canterbury	0	40	62·2	59·0
	Portsmouth	0	41	63·2	60·5
	Wisley	0	36	61·7	58·9
6.	— — ..				
	Glasgow	0	32	—	—
	— — ..				
7.	Newton Rigg ..	0	33	59·4	55·8
	Southport	0	46	63·5	60·9
	Manchester City ..	—	—	—	—
	Bettws-y-Coed ..	0	42	56·7	54·0
	— — ..				
8.	Llangammarch Wells	0	32	57·7	54·4
	Bath	—	—	—	—
	Plymouth	0	42	62·2	—
	— — ..				
9.	Armagh	0	37	62·0	58·2
	Markree Castle ..	0	33	—	—
10.	Dublin, Trin. Coll. ..	0	43	60·6	57·8
11.	Guernsey, Brooklyn	0	45	63·3	60·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	50	51·1
	Kirkwall	54	52	53·1
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	55	53	54·6
	Pennan Bay	56	51	53·2
	Aberdeen, Cove Bay ..	56	53	55·3
ENGLAND, N.E.	Burnmouth, Berwick ..	55	53	54·0
	Scarborough	62	52	57·6
ENGLAND, E.	Shipwash Lightship ..	62	57	59·7
	Margate	64	62	62·6
ENGLAND, S.E.	Eastbourne‡	63	61	61·9
SCOTLAND, W.	Lamlash	58	55	56·1
	Ballantrae	56	54	54·7
ENGLAND, N.W.	Port Erin	56	55	55·1
ENGLAND, S.W.	Newquay	61	60	61·0
	Plymouth‡	60	59	59·4
	Salcombe	58	57	57·4
IRELAND, N.W.	Sheephaven	60	58	59·1
	Ballyglass	65	56	60·0
IRELAND, S.W.	Cleggan	60	57	58·5
	Seafield	66	61	63·4
IRELAND E. ..	Kingstown‡	60	59	59·0

‡ Only one observation each day.

INTERNATIONAL INVESTIGATION OF THE UPPER AIR, JULY 22ND TO 28TH, 1907.

The following particulars of the experiments carried out at the Physical Laboratory of the University of Manchester have been received.

Seven registering balloons (*Ballons-Sondes*) and three pilot balloons have been sent up. Three of the former have been recovered. The balloons were observed through theodolites from three stations:—1, The Manchester University: Observer, W. A. Harwood. 2, The Municipal School of Technology: Observer, W. C. Jenkins. 3, The Tower of the Crown Brewery: Observer, W. Wilson. The range of the theodolite observations was in most cases limited owing to mist.

July 22nd, 11 a.m. Ground level S. 83° E. 12. No observations from two of the three stations because of mist. Lost to view at about 640 ft. Not returned.

July 23rd, 11 a.m. Ground level S. 20° E. 4; calm at 1,660 ft. Lift about 5 oz. Started in northerly direction but turned and disappeared near zenith. Vertical speed 590 ft. per min. Fell S. by E. 11 miles (near Macclesfield). Maximum height about 10 miles. Minimum temp. about −22° F.

July 24th, 11 a.m. Ground level S. 25° E. 6; at 1,660 ft. S. 82° E. 5; at 3,320 ft. S. 72° E. 4. Lift 9 oz. Rose at a high angle going north. Mean vertical speed 578 ft. per min. Not returned.

July 25th, 11 a.m. Ground level S. 50° E. 10; at 1,660 ft. S. 24° E. 7; at 3,320 ft. S. 80° E. 3. Lift 11 oz. Mean vertical speed 688 ft. per min. Lost to sight near zenith. Fell 35 miles N.E. by E. near Leeds at 1.15 p.m. Average horizontal velocity about 16 m. per h. Height about 10 miles. Temperature about −58° F.

July 26th, 11 a.m. Ground level S. 14° E. 3; at 1,660 ft. S. 19° W. 9. Lift 12 oz. Mean vertical speed 812 ft. per min. Fell 70 miles E. by S. near Lincoln. Average horizontal velocity about 28 m. per h. Height about 5 miles. Minimum temp. about −31° F.

July 27th, 11 a.m. Ground level N. 86° W. 12; at 1,660 ft. N. 78° W. 22. Lost to view at 2,200 ft. Mean vertical speed 800 ft. per min. Not recovered.

July 28th, 11 a.m. Ground level S. 11; at 1,660 ft. S. 8° W. 11; at 3,320 ft. S. 13° E. 10; at 5,000 ft. S. 15° E. 10; at 6,660 ft. S. 60° W. 14; at 8,320 ft. S. 66° W. 20. Lift 7 oz. Mean vertical speed 590 ft. per min. Lost to view at 8,400 ft. Not recovered.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

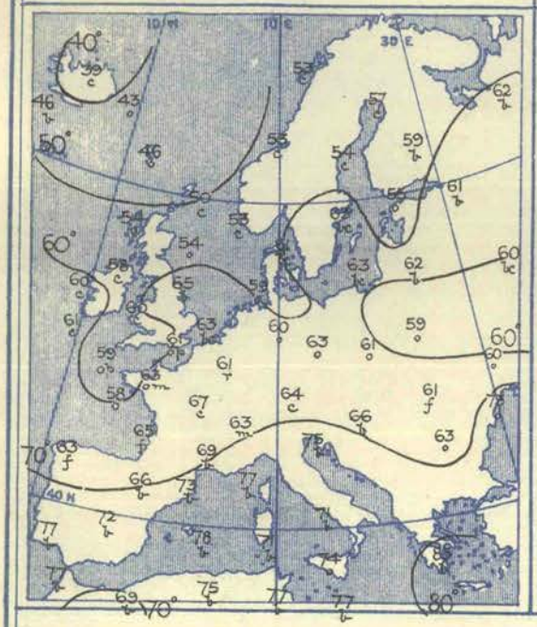
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

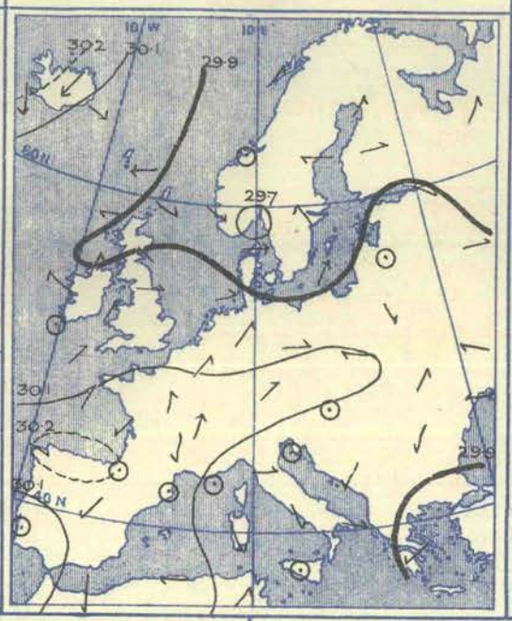
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 28th July, 1907.

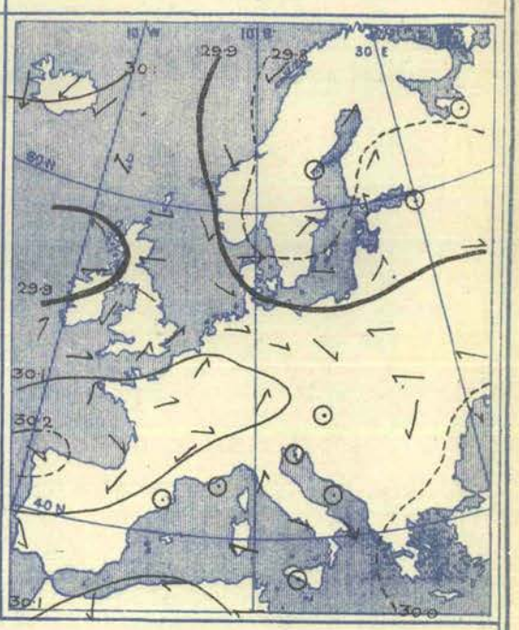
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over the Mediterranean and all adjacent countries and also in some isolated parts of our area, but cloudy as a whole over north-western Europe, with rain at some of our own southern stations and in parts of Germany. Rain falling later over the greater part of our Islands and in various parts of the Continent, heavily in the north of Ireland, 0·6 in. at Malin Head and 1 inch at Blacksod Point.

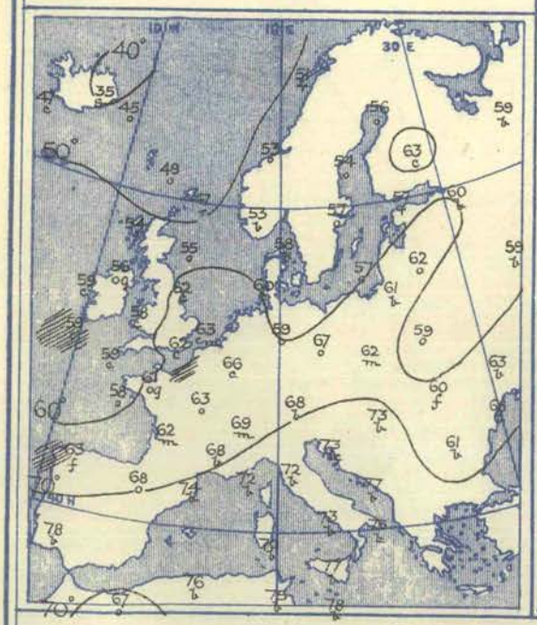
Temperature fallen in Iceland and Scotland, changed irregularly over our area generally. Morning readings below 40° at some Icelandic stations, but above 60° over the greater part of our Islands and the Continent, above 70° in the south generally and above 80° in Greece and the east of Spain. Maxima during day above 70° at a few of our own stations, above 80° over eastern France, about 90° at most of the Mediterranean stations; highest reading of all 106° at Laghouat.

Wind chiefly South-Westerly to South-Easterly over our Islands and northern Europe generally, light or moderate in force; very variable over the southern half of the Continent. Little change later.

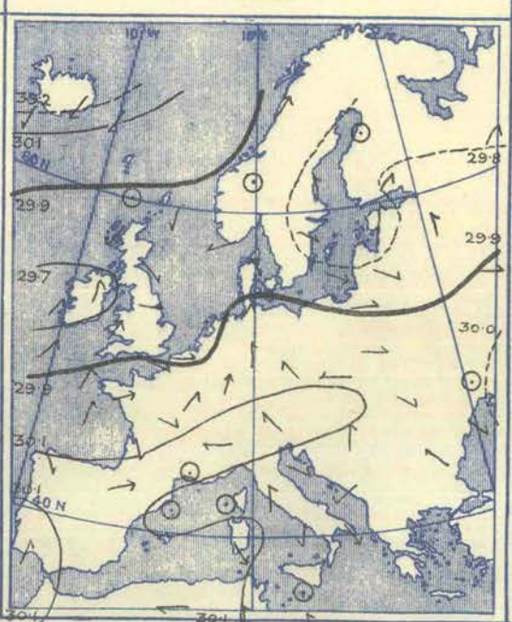
Barometer in morning, highest 30·2 ins. and upwards between Greenland and Iceland, and about that value over the southern part of the Bay of Biscay and the north of Spain. Lowest, 29·7 ins. and less, in a depression over the south of Norway, 29·9 ins. and less over Greece and Turkey, relatively low, 30·0 ins. and less, over Ireland. Latter system spreading eastwards somewhat during day, Norwegian depression moving northwards.

Monday, 29th July, 1907.

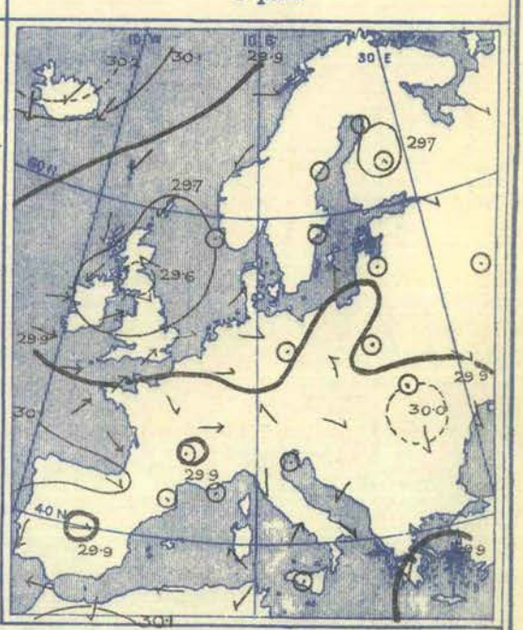
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over England and fine over the central, eastern and southern parts of the Continent, cloudy over the west of France, over Ireland, Scotland and Scandinavia generally, with rain in many parts of these Islands as well as at Bodö and Helsingfors, and mist in various places.

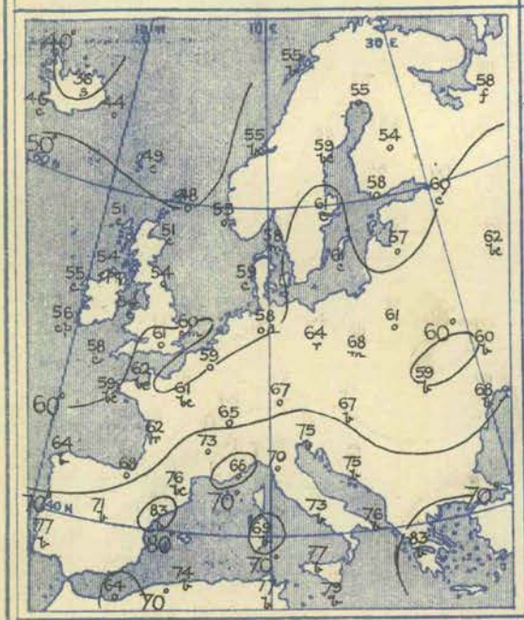
Temperature fallen over the greater part of these Islands, rising at most of the Continental stations. Morning readings ranging from below 40° in some parts of Iceland to above 60° in the east and south-east of England and the greater part of the Continent, and to between 70° and 80° over most parts of southern Europe and the Mediterranean. Exceeding 70° later over the south-eastern quarter of England only; rising to between 80° and 90° over southern Europe generally, and reaching 104° F. at Madrid and 106° at Laghouat (Algeria

Wind South-Westerly over Ireland, England and the adjacent part of the Continent, moderate in force generally, but fresh in places; North-Easterly, moderate, between Scotland and Iceland; variable and light over the Continent generally. Continuing rather fresh in England during day, but veering to West in Ireland.

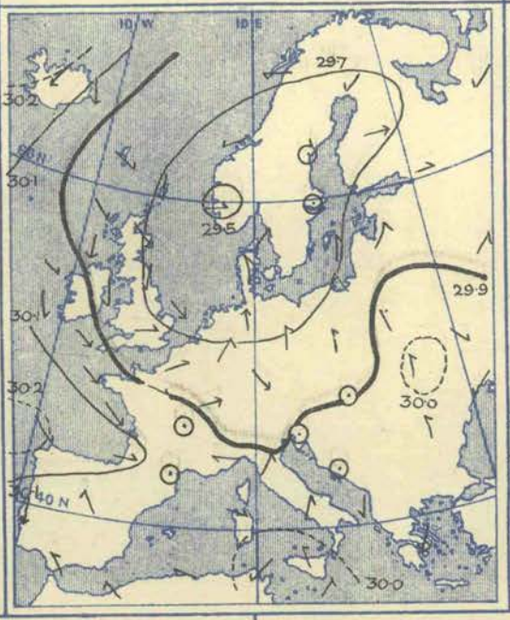
Barometer at 8 a.m. highest, 30·2 ins. and upwards, to the northward of Iceland; 30·1 ins and upwards in a long narrow band stretching from the north of Spain to central Europe. Lowest, 29·7 ins. and less, in a depression off the north of Ireland; 29·8 ins. and less in a shallow system over northern Europe. Western disturbance moving eastwards during day and growing deeper; readings at centre at 6 p.m. 29·6 ins. and less. Northern system moving north-eastwards.

Tuesday, 30th July, 1907.

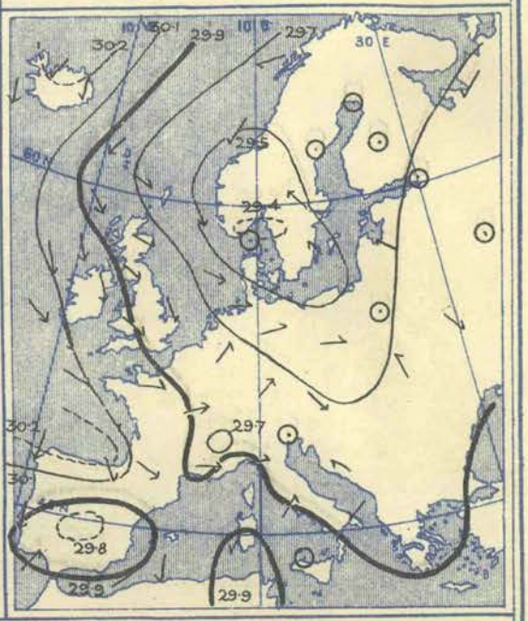
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over the British Islands and the adjacent parts of the Continent, with rain or passing showers in many places, fine over eastern and southern Europe. Very little rain in our south-western districts during day, heavier in the east, where thunderstorms occurred, at Nottingham (0·7 in.) and Clacton on-Sea. Very heavy rain at the Swedish stations, 1·3 in. at Karlstad, 1·0 in. at Stockholm, and 0·8 in. at Wisby.

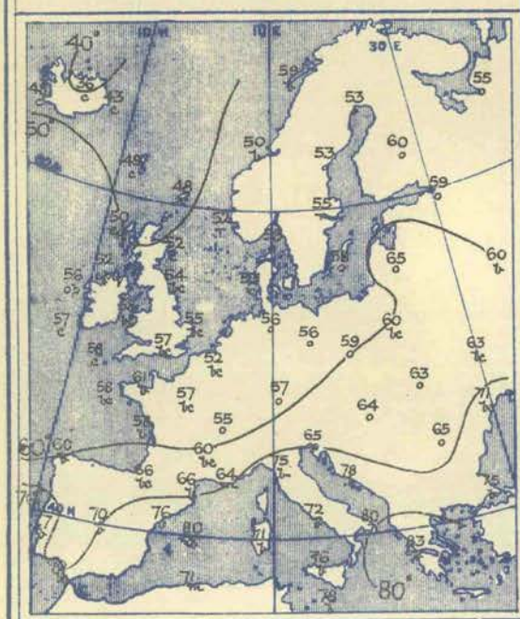
Temperature fallen over Europe generally. Morning readings ranging from below 40° in the north of Iceland, and below 60° over these Islands and northern Europe generally, to above 60° over France and the Continent generally, to above 70° at nearly all the Mediterranean stations, and to above 80° in Greece and at Barcelona. Maxima over these Islands lower than of late, highest value 67° in London; above 80° in the south of France, and above 90° over Italy and Spain generally; highest reading 102° at Madrid.

Wind, North-Westerly fresh or strong over these Islands and the west of France, light Southerly over central Europe, and Easterly over Scandinavia; variable, but generally Northerly over the Mediterranean. North-Westerly wind spreading to the eastern shores of the North Sea during day; very little other change.

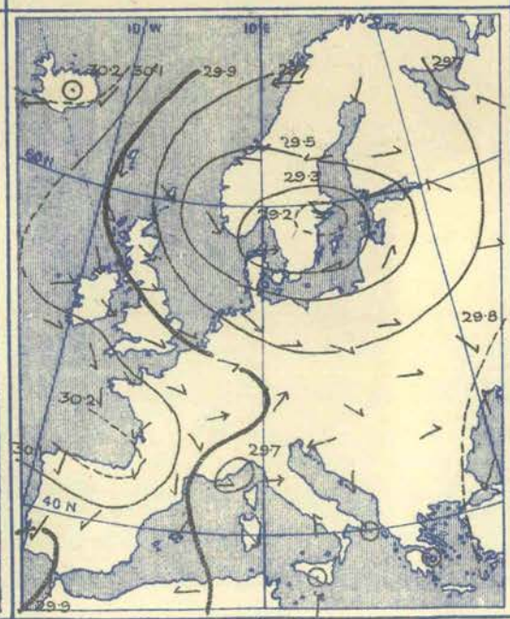
Barometer at 8 a.m. highest, 30·2 ins. and upwards, between Iceland and Greenland, and nearly as high off the coast of Spain. Lowest, 29·5 ins. and less, in a depression over the coast of Norway. Depression moving eastwards to the south of Sweden during day and becoming still deeper.

Wednesday, 31st July, 1907.

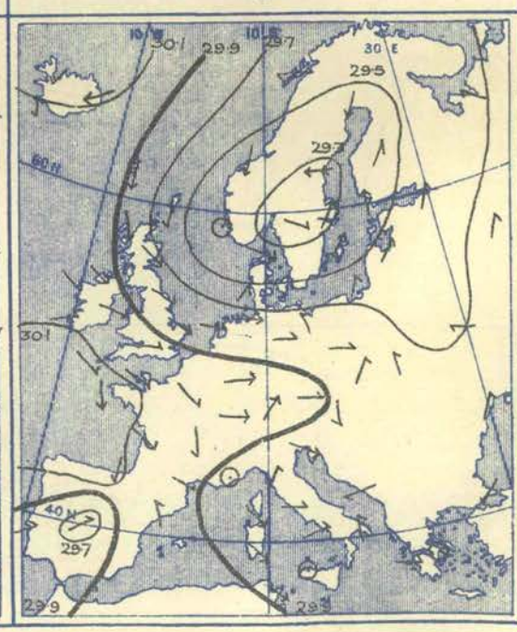
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over the Mediterranean region and the greater part of Russia, and fair generally over France and the British Islands, dull and rainy all over Scandinavia and Denmark; showery at some of the Irish and Scottish stations. Showers in several parts of these Islands later, and heavy rain in Scandinavia, a thunderstorm occurring at Cuxhaven.

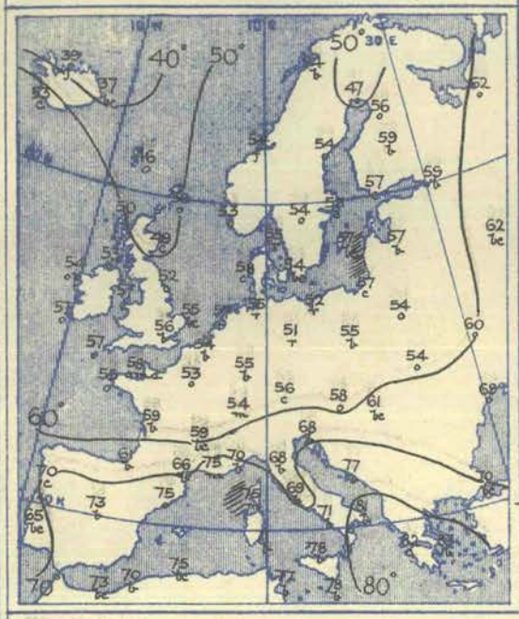
Temperature fallen slightly over western Europe as a whole. Morning readings ranging from 35° at Grimstadir (Iceland) and below 50° in the north of Scotland to 60° or above over southern Europe generally, and to 80° or more at some Mediterranean stations. Maxima during day below 70° in all parts of our Islands, but exceeding 80° over the Mediterranean countries, and nearly reaching 90° in places; 99° at Tunis and Aumale.

Wind showing a complete cyclonic circulation over north-western Europe; Northerly in Faeröe, North-Westerly over the British Islands and France, Westerly or South-Westerly over Germany and the Baltic, South-Easterly or Easterly over Scandinavia, moderate to strong in force; variable over southern Europe. Increasing to a gale at some of the Swedish stations during day; very little change elsewhere.

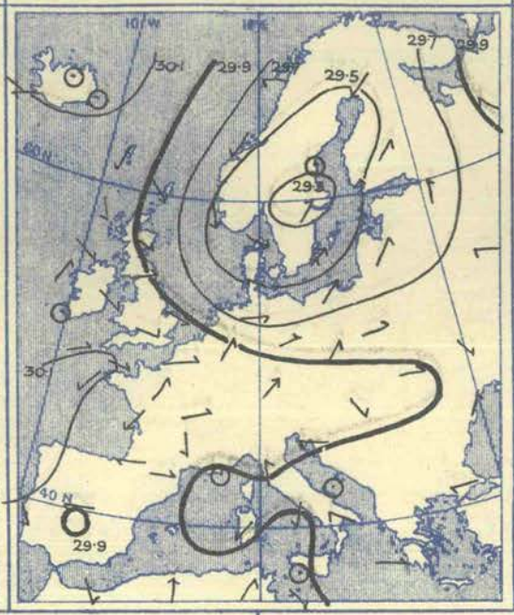
Barometer highest, 30·2 ins. and upwards, between Greenland and Iceland, and about the same value over the southern part of the Bay of Biscay. Lowest, 29·2 ins. and less to 29·6 ins., in a depression near Stockholm. Latter system filling up somewhat during day, but not changing its position much. A depression developing over central Spain.

Thursday, 1st August, 1907.

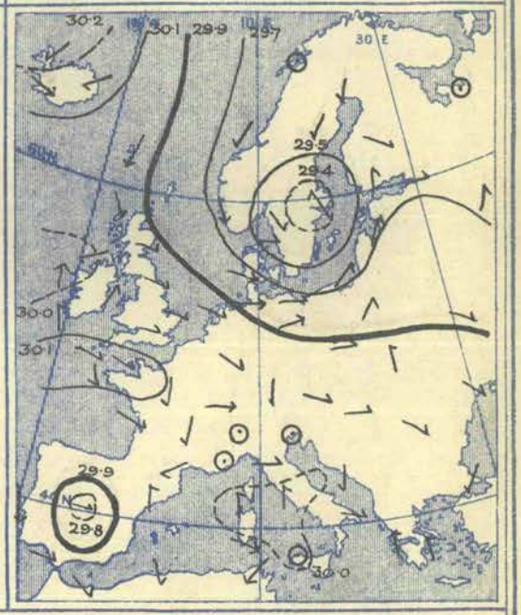
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the greater part of Scandinavia and the Baltic region, with rain at several of the German stations and at Helsingfors, fair over the British Islands as a whole, but showery at Blacksod Point; fine over southern Europe and the Mediterranean. Rain falling later over nearly the whole of Ireland, as well as at most of the Russian stations.

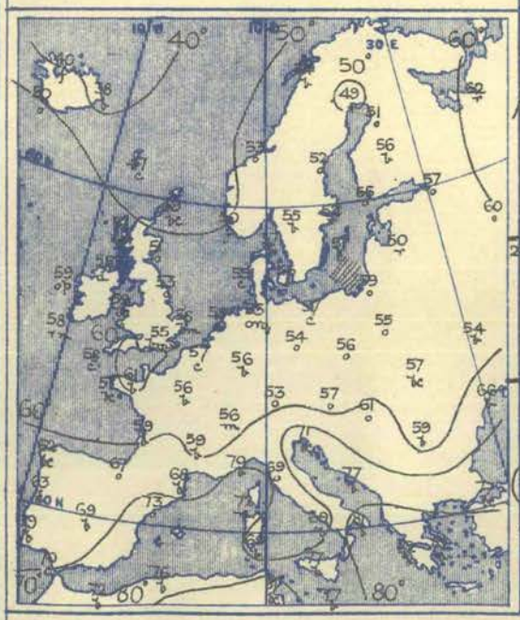
Temperature fallen slightly at most of the Continental stations and changed irregularly over these Islands. Morning readings ranging from below 40° at most of the stations in Iceland, and about 50° in the north of Scotland, to above 60° over the southern parts of Europe, to 70° or more on the various shores of the Mediterranean and to 83° in Greece. Daily maxima below 65° in nearly all parts of the United Kingdom, and below 60° at most of our northern stations. Thermometer rising to 75° and upwards in the west of France and to 90° and upwards in central Spain and several parts of Italy.

Wind showing a cyclonic circulation over north-western Europe; North-Westerly over Great Britain, France, and the North Sea. South-Westerly over the Baltic and North-Easterly or Easterly over the north of Scandinavia; moderate in force generally, but strong at some of the German stations. Light and variable over southern and eastern Europe. Subsequently backing to the Southward in the west of Ireland; no material change occurring elsewhere.

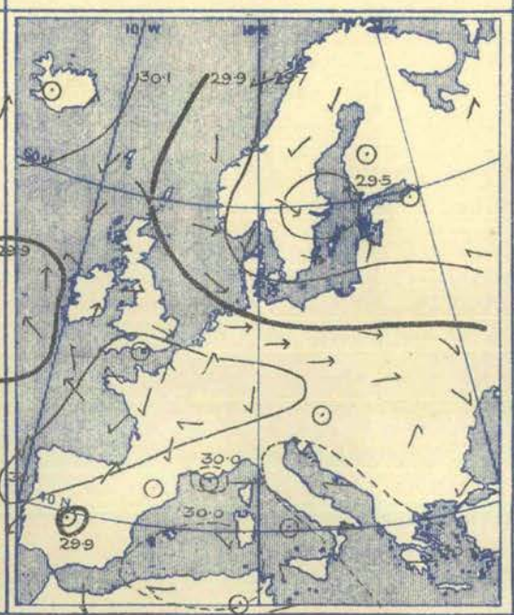
Barometer highest 30·1 ins. and upwards, in two systems, one over the Iceland region and the other over the Bay of Biscay. Lowest, 29·3 ins. and less, in a depression over Sweden; relatively low, 29·9 ins. and less, over central Spain and also over south-eastern Europe. Swedish depression partially filling up later, but new disturbance beginning to appear off the west of Ireland.

Friday, 2nd August, 1907.

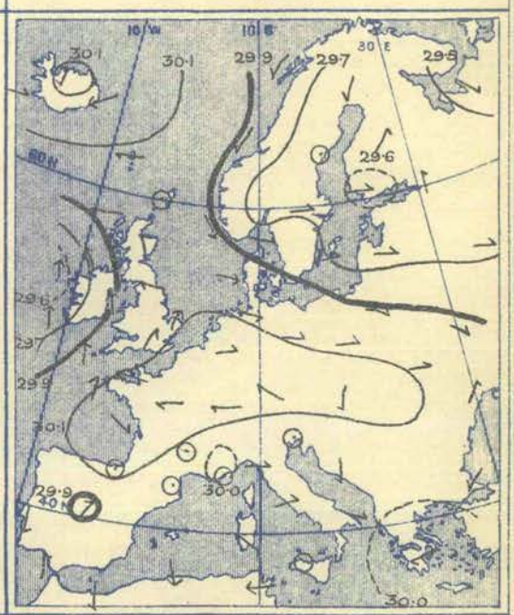
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over England, France, and the Mediterranean region; cloudy or overcast in almost all other places, with rain in Ireland and over the upper portion of the Baltic. Fog prevailing in Iceland, as well as at Donaghadee and Skudesnaes. More than an inch of rain falling later in the west of Ireland, and considerable quantities over the United Kingdom generally. As much as 1·6 in. experienced at Archangel, and smaller amounts over other parts of north-eastern Europe.

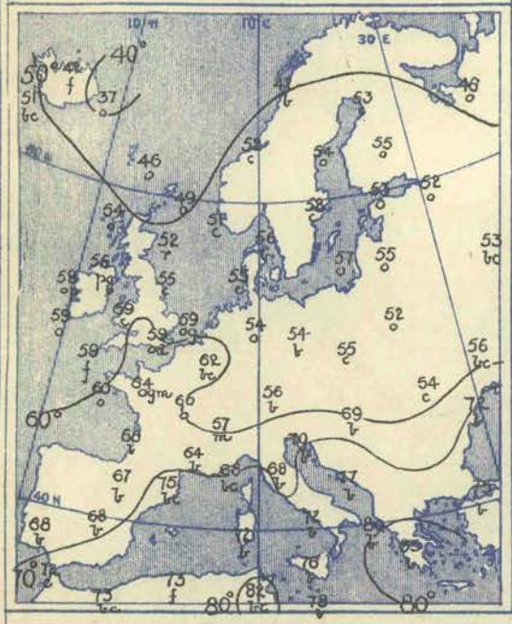
Temperature changed little. Readings in morning above 70° at several stations in the far south and above 80° in places; highest value 87° at Athens. Below 60° over Europe as a whole, below 50° at some stations, and as low as 38° at Seydisfjord. Maxima during day about 70° in the south of England, above 80° in several parts of France and Italy, and 90° or above at various stations in Spain, Greece, and Algiers. Thermometer remaining below 65° over a large portion of these Islands, and failing to reach 60° in the north-east.

Wind in morning showing several partial or complete cyclonic circulations; light or moderate generally, but fresh or strong from the South-Westward or Westward over Denmark and the Baltic. Southerly current on our western coasts extending further east during day and increasing considerably in strength.

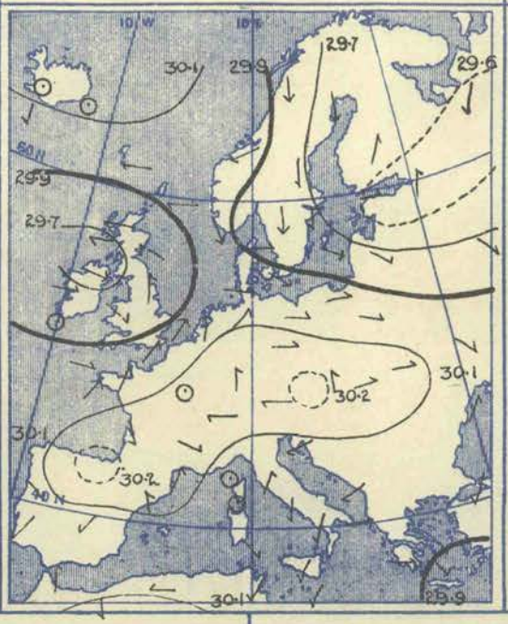
Barometer in morning above 30·1 ins. over Iceland and its vicinity, and also in a large area comprising the Bay of Biscay, France, the south of England and part of central Europe. Below 29·9 ins. in a depression off the west of Ireland and in a small minimum over central Spain, and less than 29·5 ins. in a well-defined system having its centre to the east of Stockholm. Relatively low over the Mediterranean. Barometer falling decidedly on our west coasts later, and Atlantic depression spreading steadily eastwards over our Islands.

Saturday, 3rd August, 1907.

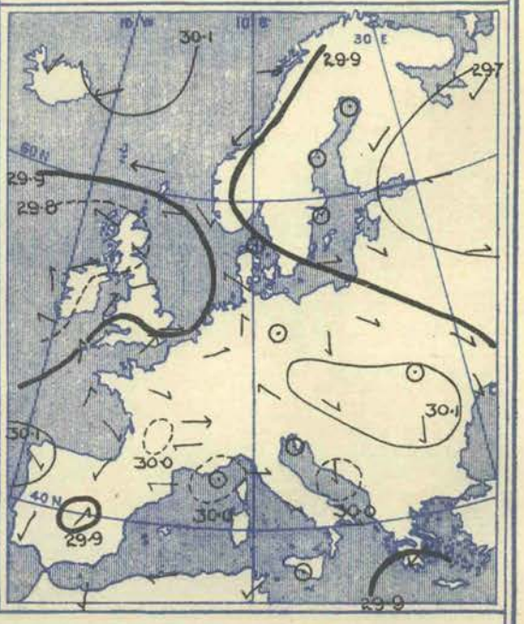
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast and very unsettled, with rain in several places over the United Kingdom and its immediate neighbourhood. Fair or fine in most other regions, but foggy in Iceland, and dull, with some rain, on the shores of the Gulf of Finland and the Baltic. A little rain experienced later in various parts of the Continent and at many stations in the west and north of Great Britain, and more than an inch on the west coast of Ireland—as much as 1·4 in. at Blacksod Point.

Temperature risen somewhat in many places. Readings in morning ranging from 85° at Athens and only a little lower at some other southern stations, to below 60° over nearly all the more northern regions, to less than 50° in places, and to 37° at Seydisfjord. Thermometer rising to between 80° and 90° during day over France and the Mediterranean region, and to above 90° in places; highest values 106° at Madrid and 108° at Aumale. Maximum readings in these Islands not much above 70° in the south, and below 60° in many northern localities.

Wind in morning light and anticyclonic in an elongated area stretching from Spain across central Europe. Cyclonic elsewhere; Westerly and South-Westerly current blowing freshly in many parts of the United Kingdom. Backing somewhat in most parts of these Islands during day, and becoming Easterly or South-Easterly in Ireland.

Barometer in morning 30·2 ins., or nearly as high as in Austria and over the extreme south-west of France and the adjacent part of Spain, and above 30·1 ins. in Iceland. Below 29.7 ins. in a depression off the west of Scotland and below 29·6 ins. over the north of Russia. Pressure increasing later over Scotland and the north of Ireland, but falling decidedly in the south-west of Ireland, and a rather deep depression advancing towards the last-mentioned region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫→ = a heavy gale; ⟩→ = a gale; → = a fresh to strong breeze; →a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
July 28th, 10.30 a.m. to noon.	Brighton, 380 ft.	Temperature F.	62°	60°						One winged kite, 45 sq. ft.; 4,000 ft. wire. Kite lost sight of in the fog at once.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW by W, *12	—, 25						
July 29th, 10.45 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature F.	62°	58°						One kite, 54 sq. ft.; 5,000 ft. wire, Max. ht., 2,400 ft. Scud at 700 ft. Clearing and showing S.-cu. Humidity very irregular.
		Humidity	90%	70%						
		Wind Velocity, m. per hr.	W, *25	—, 35						
July 29th, 12.10 p.m. to 1.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	66°	60°	51°	[42°]				One kite, 6,000 ft. wire. Max. ht., 4,700 ft. Wind very irregular and gusty. Clouds not reached. Heavy rain set in at 5.30 p.m.
		Humidity	60%	70%	80%	[95%]				
		Wind Velocity, m. per hr.	SW by W, 17	SW by W, 30	WSW, 30	[WSW, 30]				
July 29th, 4.50 p.m. to 6.40 p.m.	Brighton, 380 ft.	Temperature F.	60°	55°						One kite, 54 sq. ft.; 4,000 ft. wire. Max. ht., 2,400 ft. S.-cu. Steady wind. Air very clear.
		Humidity	90%	70%						
		Wind Velocity, m. per hr.	W, *25	—, 35						
July 31st, 11.0 a.m. to 12.35 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	52°	44°	[34°]				Two kites, 125 sq. ft.; 7,400 ft. wire. Max. ht. 4,800 ft. Cloud level, cu., 4,500 ft.
		Humidity	70%	80%	95%	[100%]				
		Wind Velocity, m. per hr.	WNW, 13	WNW, 27	WNW, 30	[WNW, 32]				
July 31st, 1.10 p.m. to 2.14 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	60°	52°						One kite, 77 sq. ft. Max. ht., 2,550 ft.; temp. 47°, humidity, 95%. Wind fitful, 20 to 30 m. per h.
		Humidity	81%	86%						
		Wind Velocity, m. per hr.	WNW, —	—						
August 1st, 12.26 p.m. to 6.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	51°	48°	39°	32°	28°	34°		Two kites, 154 sq. ft. (operated by two separate winches). Max. wire, 14,000 ft. Temp. inversion of 6°F. above 6,600 ft. Sharp fall in humidity, and rise in wind velocity.
		Humidity	90%	90%	96%	100%	99%	40%		
		Wind Velocity, m. per hr.	NW by W, 3	NW, 23	NW by W, 25	WNW, 27	NW, 29	NW, 31		
August 3rd, 4.36 p.m. to 5.31 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	67°	63°	58°					One kite, 77 sq. ft. Max. ht. 3,700 ft.; temp. 59°, humidity, 70%; inversion possibly greater, as inversion surface only just reached clouds, scud below 3,000 ft., lines of cirrus V-point West. Great increase of wind about 2,500 ft. Anemometer broken at start, but pull increased quickly from 20 lbs. to 60 lbs.
		Humidity	83%	85%	80%					
		Wind Velocity, m. per hr.	SW, —	WSW, —	W by S, —					

* Estimated.

63, Victoria Street, London, S.W. *August 7th, 1907.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 32. THIRTY-SECOND WEEK, ENDING SATURDAY, AUGUST 10TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The general state of the weather was again unsettled, but rain was heavier and much more frequent in the north and west than in the east and south. Thunder occurred at Geldeston on Monday, and thunderstorms or thunder only were very general over the eastern half of England on Tuesday. At Fulbeck a slight thunderstorm was experienced on Wednesday.

Temperature exceeded the normal over all the Midland and Eastern counties of England, but was rather below it elsewhere. The highest of the maxima were recorded on Sunday in most localities. In England E. the thermometer rose to 78°, and to between 71° and 75° in the English districts generally. Over Ireland and the north and west of Scotland the highest values were less than 70°. The lowest of the minima, which were registered about the middle of the week, ranged from 43° in Scotland E. and England E. to 48° in Scotland W. and England N.E., and to 55° in the English Channel.

Mean Temperature of the Sea was lower than during the preceding week at most of the western stations—at least 2° at Lamlash and Ballyglass; in the east there was little change. The actual values ranged from 63°·0 at Margate, 62°·2 at Eastbourne, and 61°·5 at Seafield to less than 55° on nearly all the Scottish coasts, and to 51°·6 at Lerwick.

Rainfall exceeded the average in Ireland N., England N.W. and Scotland N. and W., and just equalled it in Scotland E. In all the other districts except England S.W. there was a very considerable deficit. At Stonyhurst on Wednesday the fall amounted to as much as 1·41 in.

Bright Sunshine was rather deficient in many parts of Great Britain, but exceeded the average in Ireland and also in Scotland E. and England N.E. The percentage of the possible duration ranged from 52 in the English Channel and 39 in England S. and N.E., to 18 in Scotland N.

Barometer and Wind.—The type of pressure distribution was South-Westerly to Westerly throughout, and as the cyclonic centres travelled in a general easterly direction over Scotland, while the pressure was relatively high over France, the gradient and the strength of the winds were rather pronounced over Ireland and England. A gale was experienced at Malin Head on the nights of Tuesday and Wednesday and at Stornoway on Thursday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 252.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Moderate	Light	Light	Light	Light	Heavy	Heavy	Moderate	Moderate	Light	Moderate
	Sunshine ...	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 10 weeks from June 2nd.	Warmth ...	**2***6	**1***7	**2***7	**2***6	**1***6	**0***7	**1***6	**1***6	**1***7	**2***5	**2***5	**2***6
	Rainfall ...	**5***2	**2***2	**2***3	**1***3	**4***2	**3***3	**4***2	**5***1	**5***2	**5***2	**4***2	**3***4
	Sunshine ...	**2***6	**1***6	**1***3	**0***4	**1***5	**2***4	**1***5	**1***5	**1***4	**1***2	**2***4	**2***6

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	**5***4	**5***3	**7***0	**7***3	**6***1	**5***5	**7***4	**6***2	**5***3	**4***4	**7***1	**6***3
	Rainfall ...	**3***7	**3***7	**2***6	**1***7	**1***7	**1***9	**4***5	**2***6	**3***7	**2***6	**3***5	**1***9
	Sunshine ...	**3***2	**4***3	**8***0	**9***1	**7***1	**7***1	**5***2	**6***1	**3***3	**4***3	**5***2	**6***2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	**7***0	**7***0	**6***0	**8***1	**6***1	**5***2	**7***0	**6***2	**5***0	**6***1	**6***1	**7***1
	Rainfall ...	**6***5	**7***3	**4***5	**5***5	**5***5	**6***3	**2***3	**5***5	**3***5	**2***4	**3***6	**3***4
	Sunshine ...	**6***2	**6***4	**7***4	**4***2	**5***5	**5***2	**5***3	**7***3	**6***2	**7***4	**4***4	**4***3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	**5***7	**5***6	**3***6	**2***5	**2***4	**2***5	**5***6	**2***5	**0***7	**4***4	**2***6	**1***7
	Rainfall ...	**4***2	**4***7	**2***6	**3***5	**2***7	**2***8	**3***5	**5***7	**2***5	**3***5	**1***8	**3***7
	Sunshine ...	**1***5	**9***0	**10***1	**4***2	**6***1	**5***1	**5***4	**6***1	**4***3	**3***4	**3***4	**2***4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3***5	**3***5	**5***5	**5***3	**4***3	**4***4	**4***4	**4***4	**4***3	**3***3	**5***3	**4***5
	Rainfall ...	**6***2	**5***4	**4***2	**5***4	**5***1	**5***2	**6***3	**5***1	**6***3	**8***2	**4***6	**5***2
	Sunshine ...	**2***2	**5***6	**5***3	**6***4	**3***4	**4***4	**2***5	**4***4	**3***5	**3***4	**4***4	**2***5

6345/370 Wy. & S. Ltd. 8—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 251.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
THE WEEK (32nd)—August 4th to 10th, 1907.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	69	44	59·5	49·1	54·0	− 0·6	84	− 4	0	0	6	+ 1	1·56	+0·69	20	− 6	18	− 6
Eastern																		
1 SCOTLAND, EAST	70	43	63·2	50·0	56·2	− 0·3	99	− 3	0	0	5	+ 1	0·62	0·00	36	+ 3	33	+ 2
2. ENGLAND, N.E.	75	48	67·6	53·2	60·0	+ 1·6	126	+ 11	0	0	4	+ 1	0·31	−0·29	42	+ 7	39	+ 7
3. ENGLAND, EAST	78	43	69·5	55·1	61·9	+ 1·7	139	+ 11	0	0	3	0	0·16	−0·36	40	− 3	38	− 3
4. MIDLAND COUNTIES	74	44	67·5	53·3	60·0	+ 0·6	126	+ 4	0	0	4	+ 1	0·25	−0·29	40	+ 1	38	+ 1
5. ENGLAND, SOUTH	75	44	67·1	55·1	60·7	− 0·6	131	− 4	0	0	3	0	0·22	−0·24	41	− 4	39	− 4
Western																		
6. SCOTLAND, WEST	68	48	61·9	51·6	56·5	− 0·5	102	− 3	0	0	5	+ 1	1·31	+0·32	33	− 3	31	− 3
7. ENGLAND, N.W.	71	45	63·7	53·2	58·2	− 0·4	113	− 3	0	0	5	+ 1	1·25	+0·48	28	− 9	27	− 8
8. ENGLAND, S.W...	72	44	64·3	53·8	58·7	− 0·9	117	− 6	0	0	5	+ 1	0·62	−0·03	39	− 7	37	− 7
9. IRELAND, NORTH	67	47	62·0	51·9	56·6	− 0·7	102	− 5	0	0	6	+ 2	1·00	+0·11	31	+ 1	29	+ 1
10. IRELAND, SOUTH	69	45	64·0	52·8	58·1	− 0·7	113	− 6	0	0	5	+ 1	0·57	−0·35	40	+ 5	38	+ 4
11. ENGLISH CHANNEL	75	55	66·6	56·6	61·3	− 0·5	135	− 3	0	0	3	− 1	0·24	−0·32	53	− 4	52	− 4
THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, June 2nd to August 10th, 1907.																		
0. SCOTLAND, NORTH	86	33	*	*	*	*	687	−130	1	+ 1	50	+ 8	8·43	+1·43	267	− 54	22	− 5
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	753	−211	0	0	46	+10	6·44	+0·77	302	− 79	26	− 7
2. ENGLAND, N.E...	76	35	*	*	*	*	940	−134	0	0	40	+ 9	4·30	−0·84	366	− 21	32	− 2
3. ENGLAND, EAST	78	37	*	*	*	*	1058	−148	0	0	32	+ 2	3·69	−1·39	397	− 73	35	− 7
4. MIDLAND COUNTIES.. ..	82	37	*	*	*	*	979	−197	0	0	44	+14	6·20	+1·03	367	− 55	33	− 5
5. ENGLAND, SOUTH	81	37	*	*	*	*	1063	−202	0	0	34	+ 6	3·65	−1·01	431	− 53	39	− 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	889	−117	0	0	46	+ 9	9·51	+1·56	335	− 73	29	− 6
7. ENGLAND, N.W...	81	37	*	*	*	*	939	−173	0	0	51	+17	9·07	+2·73	349	− 74	31	− 7
8. ENGLAND, SW	82	34	*	*	*	*	986	−187	0	0	46	+13	7·72	+1·63	409	− 76	37	− 7
9. IRELAND, NORTH	81	37	*	*	*	*	882	−142	0	0	53	+11	8·82	+1·72	326	− 17	28	− 2
10. IRELAND, SOUTH	85	37	*	*	*	*	1032	−102	0	0	49	+13	7·80	+0·98	362	− 22	32	− 2
11. ENGLISH CHANNEL	78	44	*	*	*	*	1139	−125	0	0	35	+ 2	3·58	−1·27	493	− 69	45	− 6
THE YEAR.—Aggregates, &c., for the period of 32 Weeks, December 30th, 1906, to August 10th, 1907.																		
0. SCOTLAND, NORTH	86	8	*	*	*	*	1090	−157	522	− 21	162	+16	31·65	+5·54	770	− 58	26	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1217	−281	599	+ 11	126	+ 6	16·97	+0·59	895	− 50	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1534	− 92	501	+ 26	118	+10	13·10	−0·52	1023	+ 90	35	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1717	−180	518	− 3	109	+ 4	12·39	−1·11	1081	− 24	37	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1664	−231	540	+ 7	118	+14	15·35	+0·50	958	− 31	33	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	1779	−253	434	+ 53	104	+ 5	12·84	−1·43	1122	+ 8	38	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1457	−137	404	− 6	136	+10	29·12	+3·14	885	− 96	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1535	−201	418	+ 32	137	+22	20·92	+2·30	952	− 47	32	− 2
8. ENGLAND, S.W...	82	5	*	*	*	*	1651	−287	396	+ 95	133	+20	21·16	+0·96	1052	−106	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1470	−214	292	− 53	155	+18	25·00	+3·92	855	− 48	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	1804	−149	256	− 3	147	+25	20·19	−2·17	953	− 53	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	1985	−198	96	− 13	114	− 6	13·92	−2·85	1204	−122	41	− 4

August 4-10, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	60	44	56·6	47·0	51·5	- 1·1	67	0	5	0·99	+ 0·32	21·5	- 7·1	19	- 6
		Stornoway	60	49	58·0	50·4	54·0	- 0·5	84	0	7	1·22	+ 0·40	17·5	- 13·5	16	- 12
	Mainland.	Wick	64	46	60·3	48·6	54·1	- 0·6	85	0	6	0·83	+ 0·23	*	*	*	*
		†Lairg (Strathpeffer)	66	46	61·5	48·2	54·5	- 0·3	88	0	6	1·03	+ 0·35	23·9	- 4·3	22	- 4
		Glencarron	68	46	58·5	48·5	53·2	- 1·6	78	0	7	2·11	+ 0·58	*	*	*	*
		Fort Augustus	69	48	61·6	50·2	55·6	- 1·1	95	0	7	1·32	+ 0·55	16·2	- 4·8	15	- 4
		Fort William	69	49	60·1	50·5	55·0	- 2·0	91	0	7	3·45	+ 2·15	*	*	*	*
		(West Linton)												26·1	—	24	—
1. SCOTLAND, E.		Nairn	69	47	63·1	48·9	55·6	- 1·0	95	0	6	0·98	+ 0·38	31·2	—	28	—
		Aberdeen	70	48	65·4	50·6	57·6	+ 1·1	109	0	5	0·45	- 0·25	45·0	+ 9·8	41	+ 9
		†Balmoral (Crathes) ..	62	43	59·9	46·3	52·7	- 1·1	75	0	6	0·59	- 0·17	34·9	—	32	—
		†Crieff (Balruddery) ..	65	49	62·7	50·2	56·1	- 1·3	99	0	6	0·95	+ 0·08	30·3	—	28	—
		†Leith (Edinburgh)	69	53	64·9	54·1	59·2	+ 0·6	120	0	3	0·24	- 0·40	38·0	+ 5·1	35	+ 5
		Marchmont	67	47	62·9	49·6	55·9	- 0·3	97	0	3	0·50	- 0·31	37·7	+ 2·7	35	+ 3
		(Saltburn)												39·1	—	37	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	75	48	67·6	51·0	58·8	+ 1·5	118	0	4	0·19	- 0·51	34·5	—	32	—
		†Shields (Newcastle)	71	49	66·9	51·9	59·0	+ 1·3	119	0	4	0·29	- 0·36	25·3	- 5·6	24	- 5
		Durham	71	50	65·2	52·2	58·3	0·0	114	0	3	0·17	- 0·45	40·9	+ 6·0	38	+ 6
		Scarborough .. .. 𝔐	74	52	69·6	53·4	61·0	+ 2·3	133	0	3	0·16	- 0·48	40·8	—	38	—
		York	73	48	68·0	52·8	59·9	+ 0·5	125	0	3	0·18	- 0·41	42·2	+ 6·2	39	+ 6
	Southern part.	Spurn Head	73	54	67·0	56·0	61·2	+ 1·5	134	0	5	0·48	+ 0·03	*	*	*	*
		†Lincoln (Skegness)	75	49	68·7	54·2	61·0	+ 0·6	133	0	5	0·74	+ 0·18	48·3	—	46	—
		†Fulbeck (Rauceby)	73	50	67·7	54·0	60·4	0·0	129	0	5	0·25	- 0·32	43·7	—	41	—
3. ENGLAND, E.	Northern part.	Hillington .. .. 𝔐	73	43	68·6	52·4	60·0	- 0·4	126	0	3	0·32	- 0·34	38·7	- 3·7	37	- 4
		†Yarmouth (Lowestoft) ..	72	51	68·7	56·0	62·0	+ 1·6	140	0	3	0·13	- 0·41	39·9	—	38	—
		Geldeston	76	50	70·9	54·6	62·3	+ 1·9	142	0	2	0·10	- 0·40	37·1	- 8·3	35	- 8
		(Cromer)												38·3	—	36	—
	Southern part.	Cambridge	77	48	70·2	53·7	61·5	+ 0·1	137	0	3	0·07	- 0·48	36·3	- 8·2	35	- 8
		Felixstowe	75	51	69·2	56·7	62·6	+ 0·9	144	0	4	0·21	—	43·3	—	41	—
		Clacton-on-Sea	72	52	69·1	56·1	62·2	- 0·2	141	0	4	0·07	—	40·5	—	39	—
		Rothamsted	74	49	68·6	53·3	60·5	+ 0·4	130	0	5	0·24	- 0·34	42·8	- 3·2	41	- 3
		†Shoeburyness (Southend) ..	78	53	71·0	57·0	63·6	+ 0·8	151	0	3	0·13	- 0·27	49·2	—	47	—
		London, Westminster	75	52	69·1	56·1	62·2	+ 0·1	141	0	2	0·17	- 0·37	35·3	- 4·1	34	- 4
		(Dunmow)												40·8	—	39	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	71	48	64·7	51·4	57·7	- 0·1	110	0	3	0·21	- 0·44	38·1	—	36	—
		†Bawtry (Worksop)	74	46	69·9	52·9	60·9	+ 1·3	132	0	3	0·27	- 0·29	30·4	- 4·3	29	- 4
		Nottingham	72	48	69·0	53·9	61·0	+ 0·8	133	0	4	0·25	- 0·34	38·5	—	36	—
		Birmingham, Edgbaston ..	71	49	67·1	53·4	59·8	+ 0·4	125	0	4	0·18	- 0·46	38·4	—	37	—
		Oxford	72	50	68·4	54·9	61·3	+ 0·5	135	0	3	0·18	- 0·37	42·9	- 0·4	41	0
	Western part.	†Cheadle (Sheffield) .. 𝔐	68	48	64·7	51·7	57·8	+ 0·2	111	0	5	0·65	- 0·14	35·6	—	34	—
		Shrewsbury	73	48	67·6	53·4	60·1	+ 0·4	127	0	4	0·14	—	*	*	*	*
		Hereford .. .. 𝔐	72	44	68·6	53·9	60·8	+ 0·7	132	0	3	0·15	- 0·41	*	*	*	*
		Cirencester	70	44	66·5	51·8	58·7	- 0·1	117	0	4	0·36	- 0·33	44·8	+ 2·0	43	+ 2
		Bath	72	51	68·1	55·4	61·4	+ 0·7	136	0	4	0·14	- 0·50	51·1	—	49	—
		(Margate)												44·8	- 0·2	43	0
5. ENGLAND, S.		Kew	75	51	69·4	56·3	62·5	+ 1·1	144	0	2	0·11	- 0·43	37·8	- 6·6	36	- 6
		Wisley, Surrey	75	49	69·0	54·5	61·3	- 0·7	135	0	4	0·44	—	39·8	—	38	—
		†Swarraton (Ventnor) .. 𝔐	71	44	67·0	53·1	59·6	+ 0·3	123	0	4	0·41	- 0·24	43·1	- 4·2	41	- 4
		Tunbridge Wells .. 𝔐	75	48	68·0	53·1	60·1	- 0·5	127	0	3	0·23	- 0·32	43·9	- 1·6	42	- 2
		†Dungeness (Littlestone) ..	70	50	66·4	55·9	60·8	- 0·7	132	0	3	0·23	- 0·21	41·5	—	40	—
		Hastings	71	50	66·1	55·7	60·6	- 0·9	130	0	3	0·17	- 0·38	44·5	- 6·1	43	- 6
		Southampton	73	51	69·0	55·4	61·8	- 0·5	139	0	2	0·07	- 0·53	41·4	- 7·0	40	- 7
		†Portland Bill (Worthing) ..	65	55	61·9	56·6	59·1	- 3·0	120	0	1	0·13	—	44·5	—	43	—
		(Eastbourne)												45·7	- 4·0	44	- 4
6. SCOTLAND, W.		Laudale	62	50	60·0	51·3	55·4	- 1·7	94	0	7	3·35	+ 2·05	*	*	*	*
		Glasgow	65	52	61·1	52·5	56·5	- 0·5	102	0	6	1·01	+ 0·11	28·1	- 2·6	26	- 2
		Dumfries .. .. .. 𝔖	68	51	64·5	52·4	58·1	- 0·7	113	0	6	0·91	+ 0·07	*	*	*	*
		Cally .. .. .. 𝔖	67	48	62·4	49·3	55·5	- 1·2	95	0	5	1·21	+ 0·21	*	*	*	*
		Douglas, Isle of Man	64	52	61·7	52·7	56·9	- 0·3	104	0	3	0·06	- 0·83	38·3	- 2·7	36	- 3
7. ENGLAND, N.W.		Aspatria	68	45	62·9	51·0	56·6	- 1·3	102	0	5	1·04	+ 0·07	20·7	—	19	—
		Newton Rigg	64	49	61·5	51·1	56·0	- 0·7	98	0	6	0·81	+ 0·05	26·2	- 9·8	25	- 9
		Stonyhurst	68	50	63·0	51·6	57·0	- 1·1	105	0	6	2·51	+ 1·37	33·3	- 2·7	31	- 3
		Blackpool .. .. .. 𝔐	69	54	63·5	55·3	59·2	- 0·3	120	0	4	1·29	+ 0·52	40·0	+ 1·5	38	+ 1
		Manchester, Prestwich ..	70	47	64·3	51·4	57·5	- 1·2	109	0	5	1·47	+ 0·61	23·4	- 8·9	22	- 8
		†Liverpool Obs. (Hoylake) ..	70	52	64·6	54·6	59·3	- 0·4	121	0	4	1·02	+ 0·33	*	*	*	*
		†Hawarden Bridge (Southport)	71	52	66·4	54·6	60·2	- 0·1	127	0	3	0·60	- 0·05	40·7	0·0	38	0
	NORTH WALES	Llandudno .. .. 𝔐	69	53	64·6	55·1	59·6	- 0·6	123	0	4	0·87	+ 0·20	36·4	- 2·6	34	- 3
		†Holyhead (Aberdovey) ..	64	51	62·0	53·6	57·6	- 1·2	109	0	5	1·13	+ 0·43	23·3	—	22	—
		Bettws-y-Coed	68	50	63·7	53·9	58·5	- 1·1	116	0	6	1·73	—	22·1	—	21	—
8.	SOUTH WALES	Llangammarch Wells	67	46	63·2	51·8	57·2	- 1·1	106	0	5	0·96	—	39·4	—	38	—
		Pembroke	62	53	60·1	55·3	57·6	- 1·6	109	0	7	0·44	- 0·22	40·6	- 4·0	39	- 4
		†Cardiff (Aberystwyth)	69	45	66·0	53·9	59·6	- 1·1	123	0	7	0·61	- 0·36	24·0	—	23	—
	ENGLAND S.W.	Clifton	69	53	66·1	55·8	60·6	- 0·8	130	0	5	0·87	+ 0·09	36·6	—	35	—
		†Shaftesbury (Marlborough) 𝔐	70	49	64·5	52·5	58·1	- 1·3	113	0	4	0·31	- 0·35	27·4	- 13·8	26	- 13
		†Arlington (Newquay)	66	49	62·1	53·6	57·6	- 0·9	109	0	7	1·81	+ 0·74	46·1	- 0·9	44	- 1
		Cullompton .. .. 𝔐	72	44	68·7	52·2	60·0	- 0·4	126	0	2	0·17	- 0·52	38·7	- 2·8	37	- 3
		Plymouth	67	52	63·3	54·8	58·8	- 2·3	118	0	5	0·21	- 0·46	44·5	- 0·9	43	- 1
		Falmouth	66	50	64·4	54·1	58·9	- 1·2	113	0	4	0·17	- 0·58	41·0	- 8·6	40	- 8
		(Torquay)												51·3	+ 2·8	49	+ 3
9. IRELAND, N.	Western part.	Malin Head	63	49	59·6	51·9	55·5	- 1·8	95	0	7	1·76	+ 0·99	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	62	49	60·4	53·0	56·5	- 1·5	102	0	7	1·12	+ 0·12	*	*	*	*
		Markree Castle	65	47	62·5	51·0	56·4	- 0·6	101	0	5	0·92	- 0·01	27·8	- 1·6	26	- 2
	Eastern part.	Armagh	67	50	63·9	51·8	57·5	0·0	109	0	5	0·44	- 0·35	34·6	+ 4·4	32	+ 4
		Donaghadee	66	50	63·7	51·7	57·3	0·0	107	0	5	0·75	- 0·01	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	69	52	65·8	54·6	59·9	+ 0·2	125	0	6	0·56	- 0·14	47·7	+ 10·2	45	+ 10
		Kilkenny	68	45	65·4	50·6	57·6	- 1·5	109	0	3	0·45	- 0·33	*	*	*	*
		Waterford	68	48	64·9	52·1	58·1	- 1·2	113	0	3	0·08	- 0·77	*	*	*	*
	Western part.	Birr Castle	66	49	64·0	51·9	57·6	- 0·9	109	0	6	0·81	- 0·04	35·1	+ 2·8	33	+ 3
		Foynes	66	50	62·1	52·9	57·2	- 1·4	106	0	7	1·03	+ 0·15	*	*	*	*
		Killarney	68	50	65·6	52·5	58·7	- 0·4	117	0	5	0·72	- 0·26	*	*	*	*
		Valencia	64	52	61·6	54·3	57·7	- 1·5	110	0	6	0·77	- 0·32	35·6	+ 0·6	34	+ 1
		†Roches Point (Ballinacurra) ..	66	51	62·6	53·4	57·7	- 1·9	110	0	2	0·12	- 0·76	42·9	—	41	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	65	55	64·1	56·6	60·1	- 0·8	127	0	4	0·08	- 0·50	45·3	- 6·1	44	- 6
		†Jersey, St. Aubins (St. Heliers)	75	55	68·4	56·9	62·3	- 0·6	142	0	3	0·14	- 0·42	55·6	+ 0·2	54	0
		Guernsey	73	55	67·4	56·3	61·5	0·0	137	0	2	0·51	- 0·08	58·4	+ 1·7	57	+ 2

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 48·5 hrs., 47 %; Brighton, 44·3 hrs. (- 6·5), 43 % (- 6 %); Bournemouth, 42·3 hrs., 41 %; Bognor, 45·0 hrs., 43 %; Rhyl, 34·6 hrs., 33 %; Tenby, 39·3 hrs. (- 6·1), 38 % (- 6 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·3
	Crathes	0	41	57·6	54·7
	Balmoral	0	35	—	—
	Marchmont ..	—	—	57·1	—
2.	Cockle Park	0	39	56·5	53·9
	York	—	—	58·2	55·0
	Hull	·	41	59·7	54·6
	Lincoln	—	—	60·9	56·3
3.	Lowestoft	—	—	62·3	58·5
	Cambridge	0	45	62·7	59·1
	Dunmow	0	45	—	—
	Clacton-on-Sea ..	0	45	61·0	59·1

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	0	40	56·0	54·5
	Sheffield	0	40	59·1	54·6
	— — ..				
	Birmingham	0	37	56·0	52·4
	Nottingham	0	45	60·0	57·4
	— — ..				
5.	Kew	0	42	62·2	58·1
	Canterbury	—	—	—	—
	Portsmouth	0	48	63·6	60·4
	Wisley	0	42	61·5	59·0
	— — ..				
6.	Glasgow	0	45	—	—
	— — ..				

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	0	39	58·2	55·3
	Southport	0	46	63·5	60·9
	Manchester City ..	0	48	59·4	57·0
	Bettws-y-Coed ..	0	49	57·3	54·0
	— — ..				
8.	Llangammarch Wells	0	38	58·4	54·4
	Bath	—	—	62·9	60·9
	Plymouth	0	44	61·4	—
	— — ..				
9.	Armagh	0	45	60·7	58·0
	Markree Castle ..	0	39	—	—
10.	Dublin, Trin. Coll. ..	0	42	59·8	57·6
11.	Guernsey, Brooklyn	0	48	63·2	60·9

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·6
	Kirkwall	55	52	53·0
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	56	54	55·3
	Pennan Bay	55	53	54·1
	Aberdeen, Cove Bay ..	56	53	54·9
ENGLAND, N.E.	Burnmouth, Berwick ..	55	53	54·2
	Scarborough	63	53	58·4
ENGLAND, E.	Shipwash Lightship ..	62	60	60·9
	Margate	65	61	63·0
ENGLAND, S.E.	Eastbourne‡	63	62	62·2

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	56	52	53·7
	Ballantrae	56	54	54·8
ENGLAND, N.W.	Port Erin	57	55	55·9
ENGLAND, S.W.	Newquay	62	60	61·1
	Plymouth‡	61	60	60·0
	Salcombe	59	57	58·2
IRELAND, N.W.	Sheephaven	60	56	58·3
	Ballyglass	61	56	58·0
IRELAND, S.W.	Cleggan	59	57	58·0
	Seafield	64	60	61·5
IRELAND, E.	Kingstown‡	59	58	58·0

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

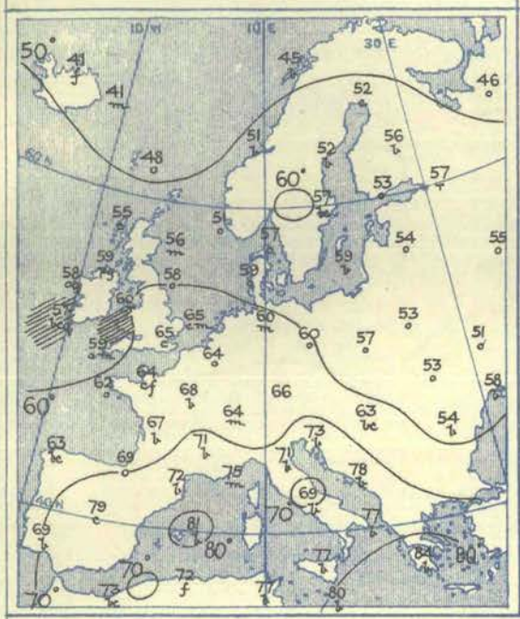
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

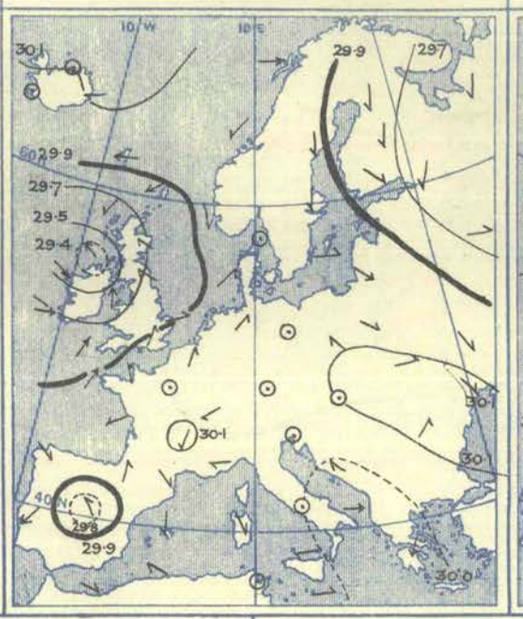
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 4th August, 1907.

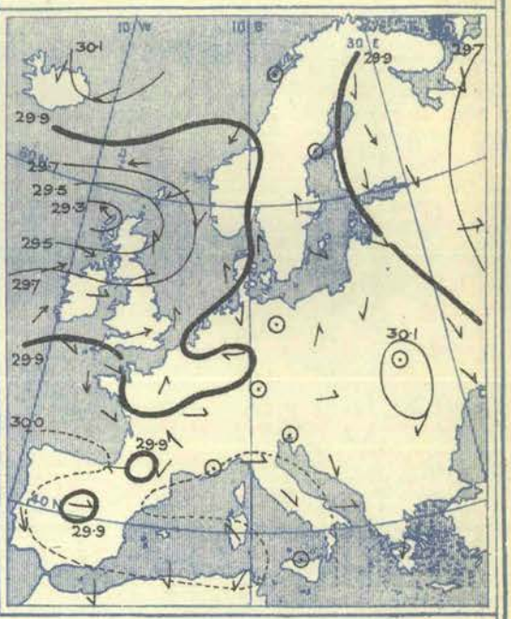
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with much cloud and some rain over these Islands, and overcast, with some rain, on the shores of the Gulf of Finland. Fair or fine in almost all other regions, but cloudy or dull in Germany. Thunderstorms occurring later in the south-west of France, and various amounts of rain in Denmark, Ireland, and Scotland. Largest measurement 1·2 in. at Castlebay.

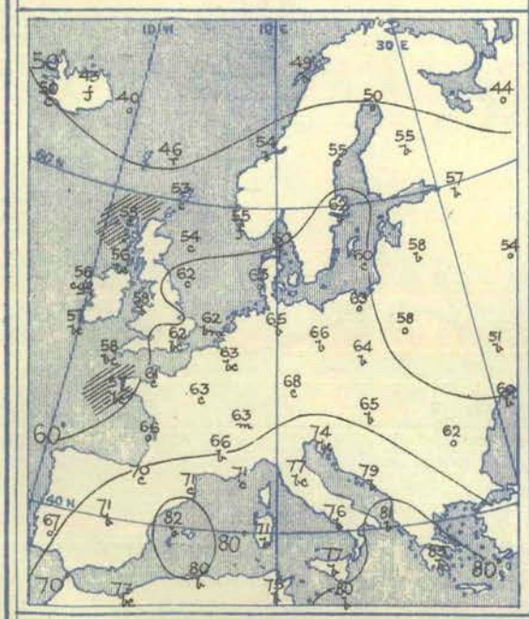
Temperature risen in nearly all regions. Readings in morning as high as 65° at some English stations, above 70° very generally over the Mediterranean and southern Europe, and above 80° in places. Below 50° in Iceland and in various parts of the far north of the Continent. Maxima during day 78° at Margate and above 70° over England as a whole. Thermometer rising to 91° at Paris and to above 90° in many other parts of France, and also in the Spanish Peninsula and the north of Italy. Highest reading, 106° at Madrid.

Wind in morning showing a well-defined cyclonic circulation over our Islands and their immediate neighbourhood; light in Scotland, but moderate to strong over England and Ireland. Light to moderate breezes from no general direction prevailing over our area as a whole. An Easterly high wind setting in by evening at Thorshavn, and direction becoming more Westerly over Ireland and England. Little change elsewhere.

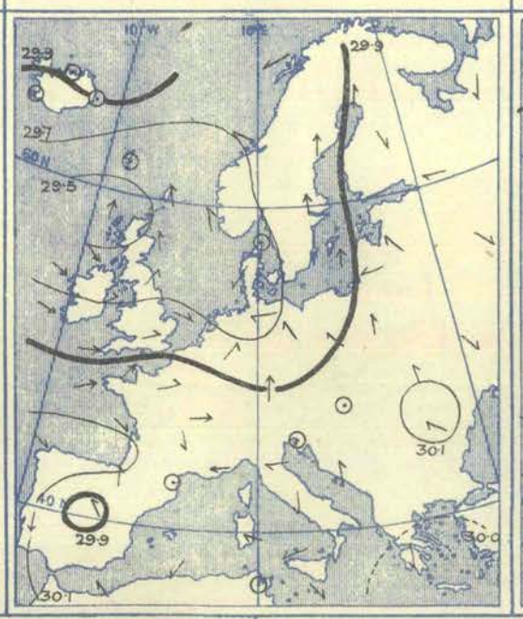
Barometer in morning above 30·1 ins. to the northward of Iceland and also in an anticyclone extending from central Europe to the Black Sea. Below 29·7 ins. in a depression over the northern half of Russia and almost as low over central Spain; below 29·4 ins. in a depression having its centre over the north of Ireland. Pressure very uniform over the Mediterranean. Irish disturbance travelling northwards during day, and gradients becoming rather steep to the northward of Scotland. Very little modification taking place in the general distribution of pressure.

Monday, 5th August, 1907.

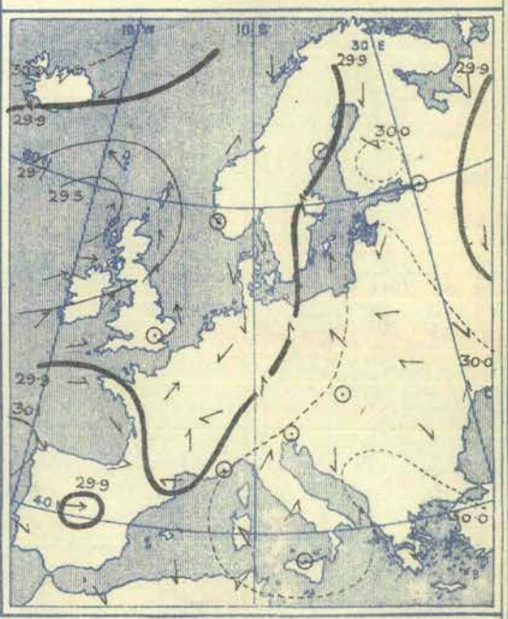
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over our area generally, but cloudy or overcast locally, rainy at Le Mans, Faerder, and Thorshavn, and foggy at Skudesnaes and in northern Iceland. Rain, generally slight, experienced later in scattered parts both of our Islands and the Continent, and thunderstorms experienced at the mouth of the Elbe and in the south-east of England.

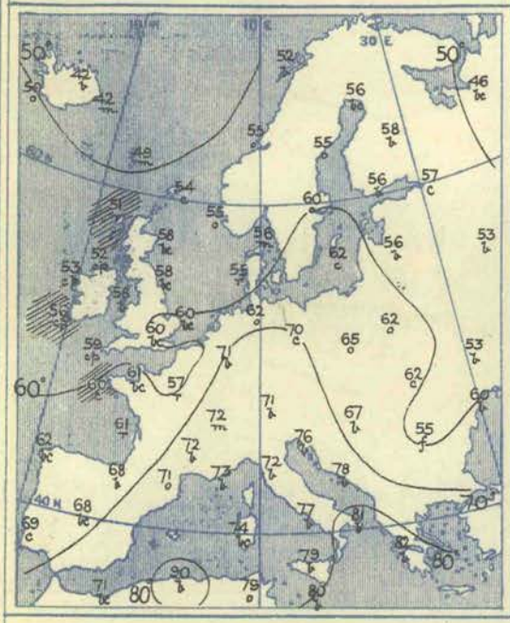
Temperature fallen over these Islands and France, risen in many other regions. Readings in morning between 70° and 80° over southern Europe and the Mediterranean, and nearly 70° at many stations in central Europe. About 60° over England, rather lower over Ireland and Scotland, and below 50° in Iceland and the far north of the Continent. Maxima during day about 70° at some of our own stations, 89° at Paris, above 90° at several stations in the south, and as high as 101° at Clermont.

Wind in morning light to fresh and mainly from between South and West over our Islands and blowing a strong gale from the Eastward in the Faeröe. Light and rather variable airs prevailing over our area as a whole. Little change later beyond the setting in of a feeble cyclonic circulation over France and the Netherlands.

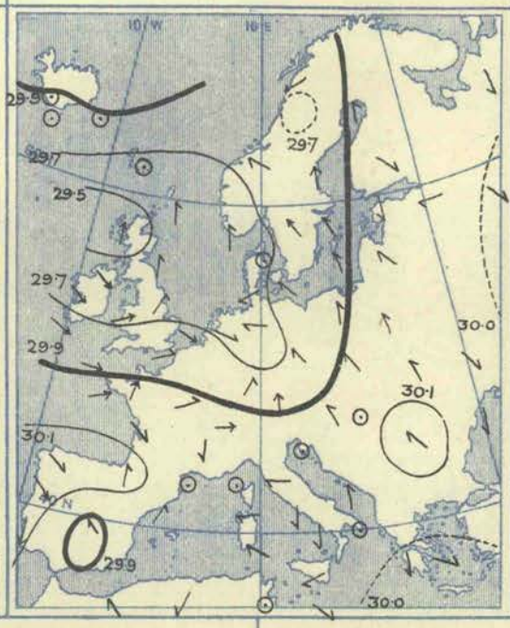
Barometer in morning above 30·0 ins. over Iceland and also in the south-east and south of our area. Below 29·9 ins. in a very shallow depression over the west of France, and below 29·5 ins. in a deeper system having its minimum near the Hebrides. Latter disturbance remaining stationary during day, and that over France moving eastwards and increasing in depth. Scarcely any change occurring in the general distribution of pressure.

Tuesday, 6th August, 1907.

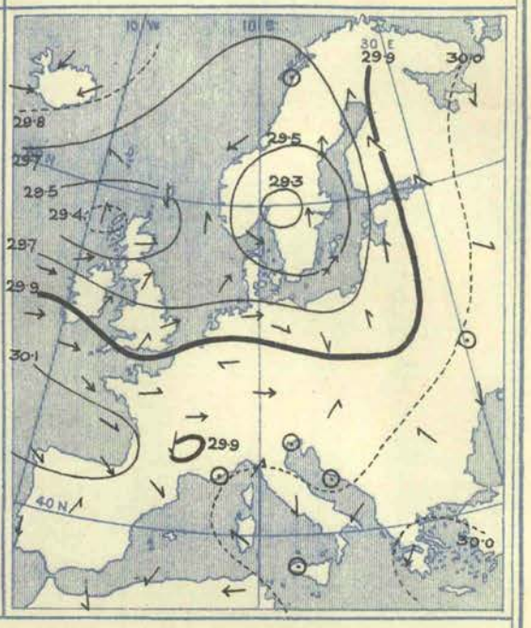
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning variable, with a good deal of cloud and occasional showers over these Islands and the north-western portion of the Continent; fine and bright in nearly all other regions, but a thunderstorm prevailing at Oporto. Heavy rain falling later in Sweden and rather heavy amounts in central Europe and at some of our own north-western stations. Showers, and thunderstorms locally, occurring in many parts of these Islands, as well as at Berne and at some French stations.

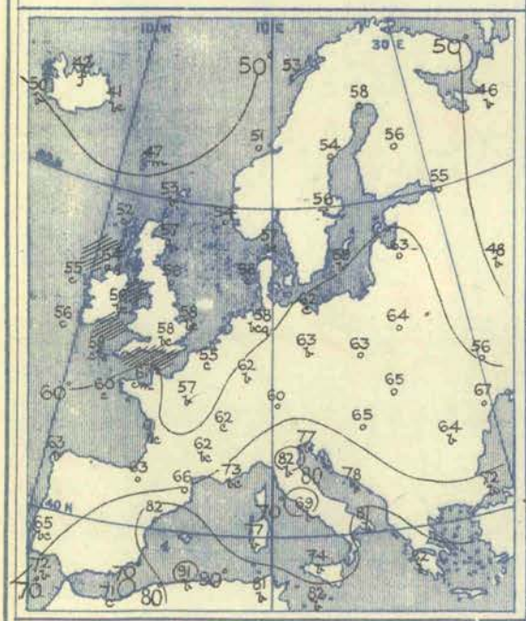
Temperature showing little change. Readings in morning ranging from 90° at Algiers and between 80° and 70° over the southern districts generally, to below 60° in almost all parts of these Islands and northern Europe, and to below 50° at Archangel and in Iceland. Maxima during day below 70° at most places in the United Kingdom, but above 80° in Germany and Austria, above 90° in the south of France and in many other Mediterranean districts, and above 100° at Algiers and Aumale.

Wind in morning moderate from the Westward over Ireland, England, and the Channel, light from the Eastward in Denmark, and moderate from the Southward over the greater part of Scandinavia. Light and rather variable airs prevailing over the east and south of our area. Westerly current increasing to a fresh or strong breeze over Ireland and England by evening, and a Southerly gale setting in over the south-east of Sweden.

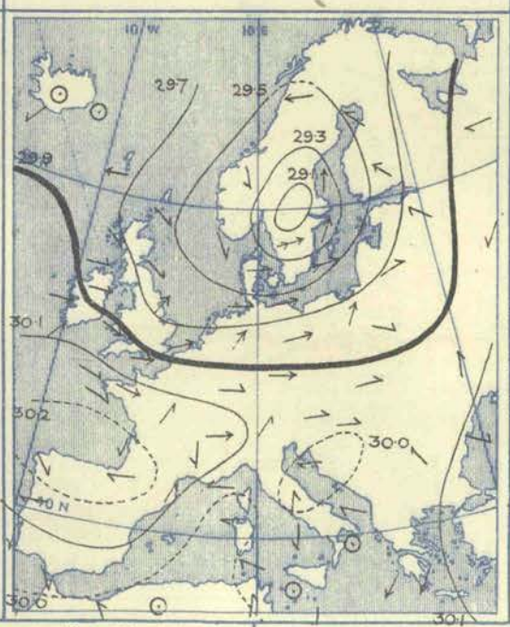
Barometer in morning above 30·1 ins. over the north and west of the Spanish Peninsula and also over Transylvania, and relatively high to the northward of Iceland. Below 29·7 ins. in an ill-defined depression over Denmark and North Germany, and less than 29·5 ins. in a system centred off the north-west of Scotland. Both disturbances becoming deeper during day; the former travelling quickly northwards to southern Scandinavia, and the latter maintaining the same position. Pressure increasing over Ireland and the gradient over that country growing much deeper.

Wednesday, 7th August, 1907.

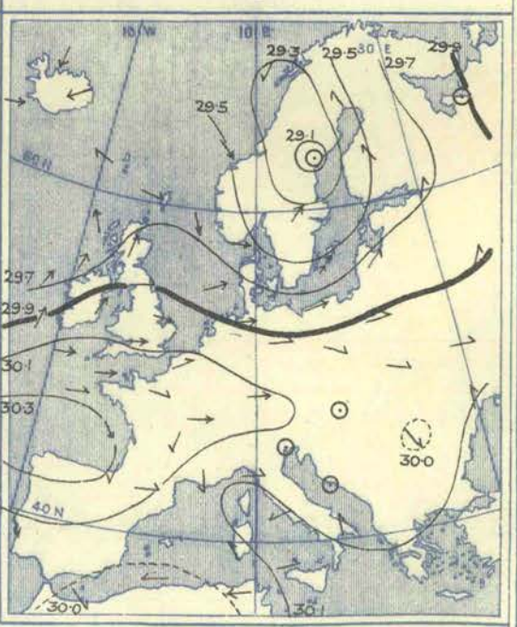
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast over the north-western countries, with rain in the south of Scandinavia and showers at Pembroke; fair or fine and bright in almost all other regions, but rain falling at Bilbao and a good deal of cloud prevailing in Austria-Hungary. Rain falling in the latter region later in day, as well as in Russia, Scandinavia, and these Islands. Amounts slight over England, heavier in Ireland and Wales.

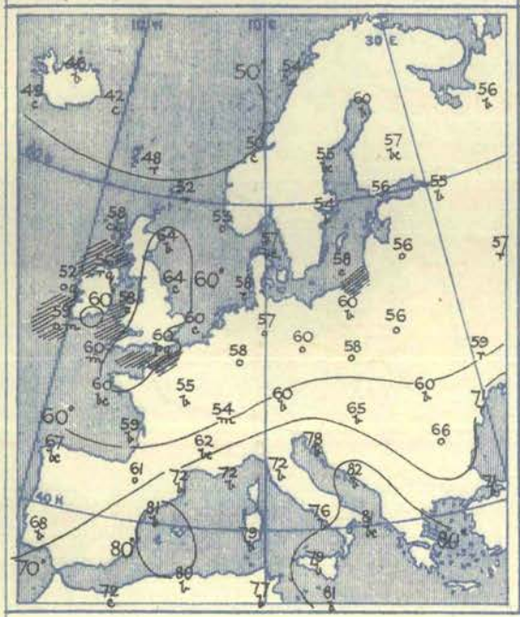
Temperature fallen as a whole, but changes not large. Readings in morning 91° at Algiers, above 80° at some other stations, and between 70° and 80° in the south generally; below 60° over the United Kingdom and the northern countries of the Continent, and less than 50° in the north-east of Russia and over Iceland. Maxima during day no higher than 65° over most of this country, but above 75° very generally over central and southern Europe, and above 80° in many localities. Highest readings 97° at Sanguinaire and Florence, and 100° at Aumale.

Wind in morning showing a very extensive cyclonic circulation around Scandinavia; Westerly current blowing freshly or strongly over our more southern districts and with the force of a gale over the south of Scandinavia. A fresh gale from South-East prevailing in Finland and a strong Easterly breeze at Bodö. Little change taking place during day on the Continent, but wind backing towards South on our western and north-western coasts and increasing in force.

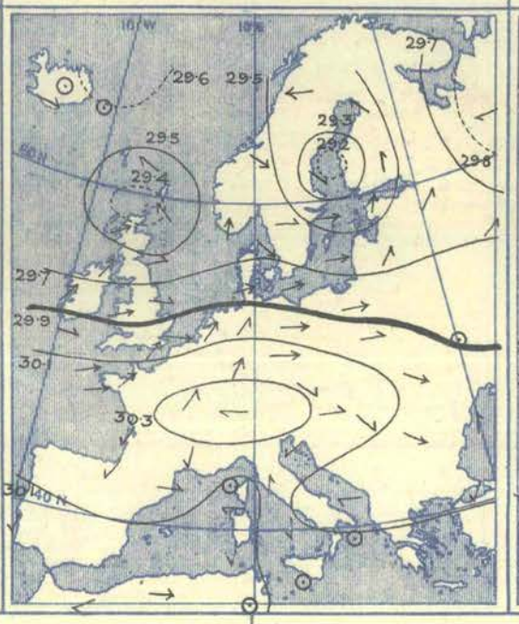
Barometer in morning ranging from above 30·2 ins. in an anticyclone centred over the Bay of Biscay, to 29·1 ins. or less in a depression having its minimum over central Sweden. Gradients rather steep over Denmark, the Baltic, and the Gulfs of Bothnia and Finland. Latter system continuing to move northwards during day and maintaining the same intensity. A brisk fall of the barometer setting in on our north-west coasts by the afternoon and continuing during the evening. Pressure increasing somewhat within the anticyclonic region.

Thursday, 8th August, 1907.

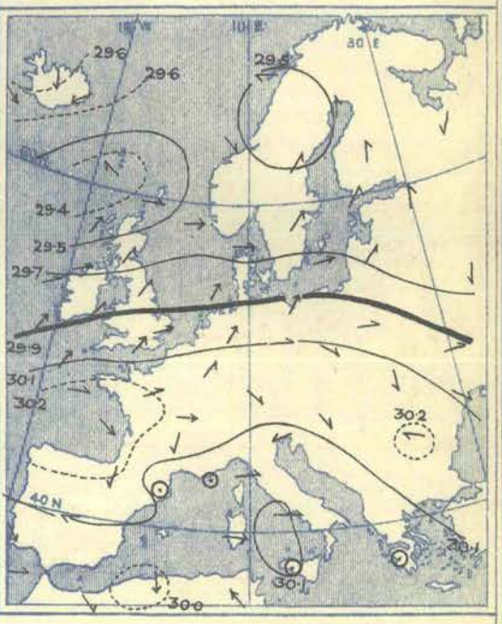
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at nearly all stations towards the south of our area, and also in a few northern localities; cloudy or overcast over the United Kingdom, with rain or showers at some western and southern stations. Rain also falling in Holland and Little Russia. Slight rain experienced later in most parts of these Islands and their immediate neighbourhood.

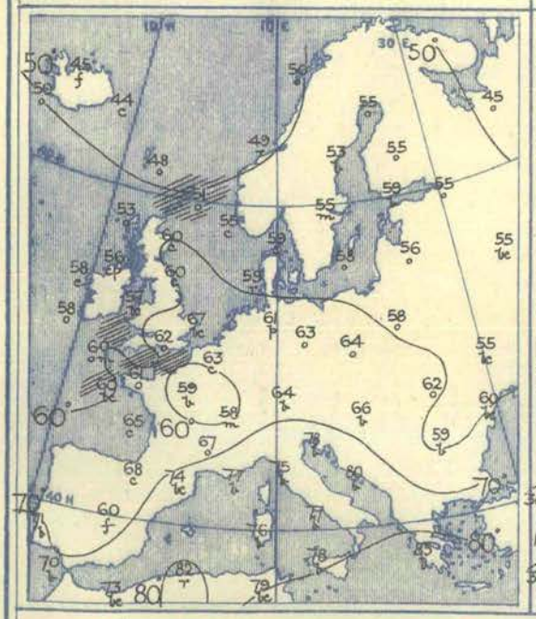
Temperature fallen over central Europe, risen in most other regions. Morning readings above 80° on some shores of the Mediterranean and as high as 89° at Palermo. About 60° over the major portion of the United Kingdom, France, and central Europe. Maxima during day about 70° over the east of Great Britain, but no higher than 65° in the west. Thermometer rising to 104° at Tunis, to 100° at Athens, 95° at Rome, 91° at Gap, and to above 80° over the south of our area generally.

Wind in morning showing two main cyclonic movements over the north-west of our area. Westerly to South-Westerly current fresh to very strong over most of this country, as well as on the various shores of the North Sea and the Baltic. Wind continuing strong all day on nearly all our own coasts and continuing fresh or strong over the region of the Baltic. A gale experienced at night in the Hebrides.

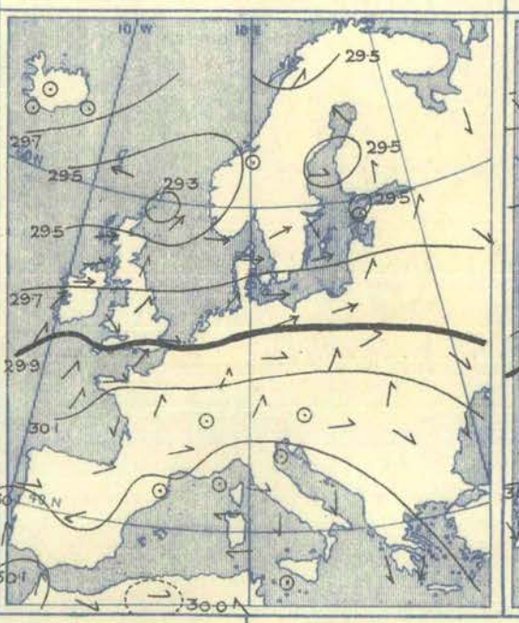
Barometer in morning above 30·3 ins. in a well-defined anticyclone having its maximum over France and South Germany. Below 29·4 ins. in a depression off the north of Scotland and below 29·2 ins. in another system centred near Hernösand. Latter becoming less deep by evening; a fresh fall of the barometer setting in on our south-west coasts. Pressure decreasing slowly within the anticyclonic region.

Friday, 9th August, 1907.

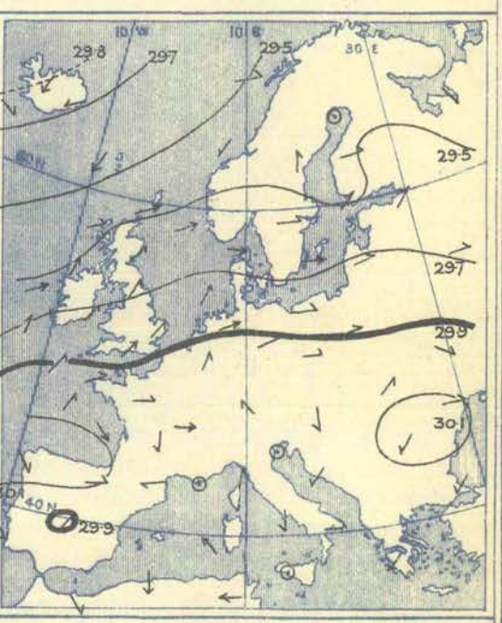
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at nearly all stations south of latitude 50°; cloudy or dull very generally further north, with rain or passing showers in some parts of these Islands, on the eastern shores of the North Sea, and at Christiansund. Rain falling later in nearly all parts of these Islands as well as in several continental localities. Amounts small or moderate generally, but 1·1 in. measured at Castlebay and only a little less than an inch at Turin.

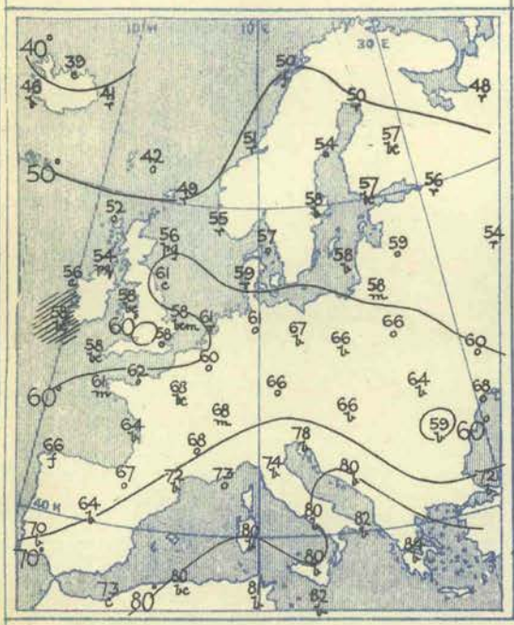
Temperature changed little and rather irregularly. Readings in morning ranging from above 80° at many southern stations, to about 60° over the major portion of England and the east of Scotland, and to below 50° in Iceland and the extreme north of Russia. Maxima during day about 70° over the eastern half of England, above 80° over a large part of central Europe, and above 90° over the southern regions. Highest readings 95° at Limoges and Patras, and 106° at Tunis.

Wind in morning cyclonic over all the more northern regions, anticyclonic elsewhere. Westerly current fresh or strong on some parts of our own coasts and at Wisby, light or moderate as a whole. Backing towards South on our western coasts later in day, but little other change.

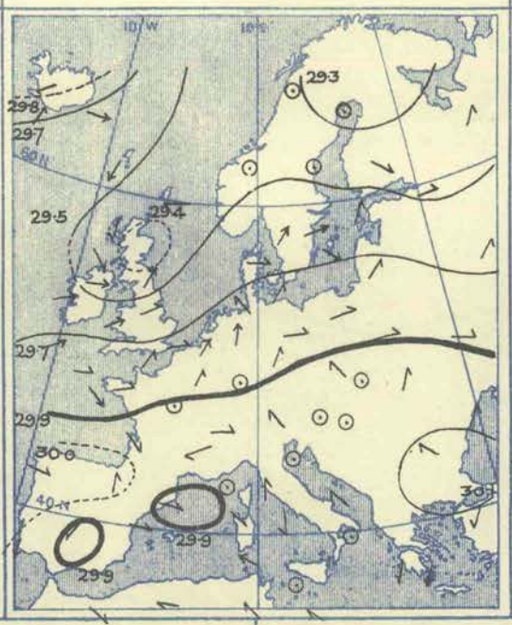
Barometer above 30·1 ins. in a very large band extending from the Atlantic across the Bay of Biscay, France, and central Europe to the Black Sea. Below 29·5 ins. in a depression over the Gulf of Bothnia, and less than 29·3 ins. in another system over Shetland. Pressure decreasing briskly in Ireland later, and a depression approaching that country from the westward. Not much change occurring in the general distribution, but mercury becoming lower over central Europe. Shetland disturbance apparently travelling away towards Norway and partially dispersing.

Saturday, 10th August, 1907.

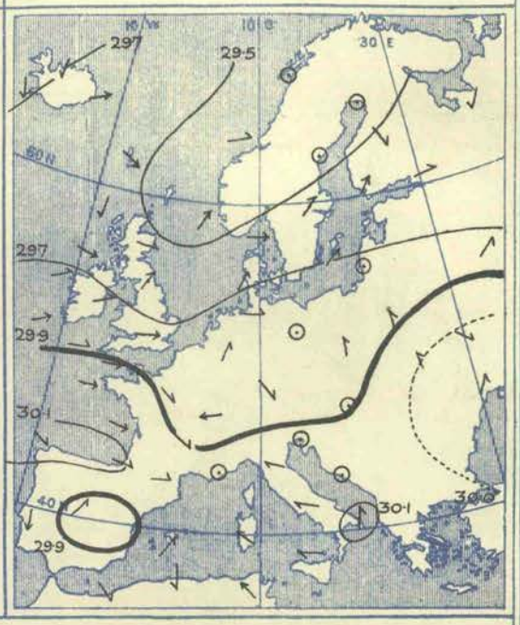
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over central and southern Europe, cloudy or overcast at most stations in the north and north-west, with rain in several places. Showers falling later in many parts of our Islands and in various localities over the northern half of the Continent. Measurements small generally, but as much as 0·6 in. at Nairn and Skudesnaes.

Temperature changed little and irregularly. Readings in morning about 60° over England and the nearer portion of the Continent, about 10° lower in the far north of Europe, and as low as 34° at Grimstadir. Above 70° very generally over the Mediterranean region, and above 80° in a few places. Rising during day to 108° at Tunis, 97° at Madrid and Florence, above 90° in many other southern regions, and to above 80° in central Europe. Maxima over our Islands about 70° over England and below 65° in Ireland.

Wind in morning cyclonic over the United Kingdom and most other parts of northern Europe; of little force as a whole, but Westerly current fresh on some parts of our west and south-west coasts and also over the south of Scandinavia. No important change later in day.

Barometer in morning relatively high both in the south-east and south-west of our area; below 29·3 ins. in a depression over the north of Finland, and below 29·4 ins. in another system having its centre over the Moray Firth. Some shallower disturbances existing over the south of Europe. Little modification occurring in the general distribution of pressure during day. Barometer rising over these Islands in the rear of the Scottish depression.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. August 5th, 2.24 p.m. to 2.31 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	NE by E, 2	N, 3	SW by W, 9					* Lost to sight in clouds about 4,000 ft. Wind SW by S, 14.
August 5th, 7.19 p.m. to 7.36 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	WSW, 4	WNW, 5	NW, 5	SW by W ½ W, 7	SW ½ S, 28	SSW, 30		* Wind veering to NW by N at 2,800 ft., then backing; velocity fairly uniform to 5,000 ft., then increasing rapidly. A.-Cu.
August 6th, 10.16 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	65° / 70% / SW, 16	58° / 85% / SW by W, 30	49° / 95% / SW by W, 30	46° / 100% / WSW, 30				One kite, 77 sq. ft.; 6,500 ft. wire. Wind very gusty and irregular. Clouds at 4,300 ft. Heavy shower and squall at 12.30 p.m. One peal of thunder at 2.30 p.m.
August 7th, 10.10 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	61° / 80% / W, 15	54° / 87% / W by N, 30	44° / 93% / WNW, 33	35° / 100% / WNW, 35				One kite, 77 sq. ft; 8,000 ft. wire. Max. height, 5,500 ft. Clouds 5,400 ft. Overcast. Very steady wind.
August 9th, 11.15 a.m. to 12.37 p.m.	Brighton, 380 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	60° / 100% / WSW, 25†	59° / 100% / W ? 35	[59°] / [100%] / [W, 35]					One kite, 54 sq. ft.; 4,000 ft. wire. Max. height, 2,800 ft. Wet sea fog. Kite not seen.
August 9th, 4.52 p.m. to 5.12 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	60° / SW by S, —	56° / SW, 31						One kite, 54 sq. ft. Cloud level about 600 ft. Wind strong and gusty.
August 10th, 10.9 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	65° / 85% / SW by W, 15	58° / 93% / WSW, 30	52° / 100% / W by S, 35	[47°] / [80%] / [W, 40]				One kite, 77 sq. ft.; 5,000 ft. wire. Max. height, 4,300 ft. Cloud level about 2,800 ft. Dull day. Ci, S. Wind irregular at the cloud level, very steady above.
August 10th, 10.40 a.m. to 11.10 a.m.	Brighton, 380 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	62° / 100% / WSW, 12†	60° / 70% / —, 30	[60°] / [60%] / [W, —]					One kite, 77 sq. ft.; 3,700 ft. wire. Max. height, 2,800 ft. Scud. at 850 ft. at starting. Cleared during ascent. Air very clear. Isle of Wight visible.
August 10th, 11.23 a.m. to 1.20 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m per hr.	67° / 70% / SW by S, 20	59° / 78% / —, 25	52° / 63% / W by S, 32					One kite, 77 sq. ft.; 6,[illegible]50 ft. wire. Max. height, 4,300 ft. Temp. 47°, Humidity 74%. Wind W by S, 32. Wind lulls below 2,000 ft. Fracto Cu. about 3,000 ft. Sd. from SW by S; halo. Fall of temp. accelerated above 3,000 ft.

† Estimated.

* Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *August 14th, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. Vol. XXIV. (New Series.) } No. 33. THIRTY-THIRD WEEK, ENDING SATURDAY, AUGUST 17TH, 1907. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—Very unsettled conditions were again experienced, with daily falls of rain in the west and north, and frequent rain elsewhere. Thunderstorms were general over a large part of England on Wednesday, and occurred in some localities both earlier and later in the week. On the 12th, there was a storm at Roche's Point and also at Laudale.

Temperature was between 3° and 4° below the average in the north and east of Scotland, 1° in Scotland W., and less than a degree below in many other districts. In England N.E. and E., however, and also in Ireland S. there was an excess of warmth,—as much as 1°·1 in England E. The highest of the maxima were recorded about the middle of the week; in England E. the thermometer rose to 77°, but elsewhere the highest readings ranged from 68° in Scotland N. and E. to 73° in Ireland S., the English Channel, and in central and south-western England. The lowest of the minima, which were mostly registered on Tuesday in Scotland and on Friday elsewhere, ranged from 35° in Scotland E. and 36° in Scotland N. to 48° in Ireland S., and to 51° in the English Channel. At Balmoral and Crathes the thermometers on the grass fell to 27° and 31° respectively.

Mean Temperature of the Sea.—As a whole the readings differed little from those of the preceding week, the greatest differences being an increase of about a degree at Aberdeen and Sheephaven, and a decrease of 1° and 3° at Ballantrae and Ballyglass. The actual values ranged from 62°·5 at Margate and 61°·6 at Newquay to about 52° at Wick and Lerwick.

Rainfall exceeded the average in all districts, the excess being large except in the Midland Counties, Ireland S., and the English Channel. Several falls of an inch or more in 24 hours were recorded,—in the west of Scotland on Sunday, over a large part of the north-west of England and at Spurn Head on Wednesday, at North Shields on Friday, and at various stations in the south and south-west of England on Saturday.

Bright Sunshine was less than the average in all districts, but in the eastern half of England the deficit was slight. The percentage of the possible duration ranged from 44 in England S. and 41 in England E., to 21 in Ireland N. and to 20 in Scotland N.

Barometer and Wind.—A south-westerly to westerly type of pressure distribution again prevailed over the United Kingdom. The centres of most of the depressions kept outside our north-western and northern coasts as they travelled on to northern Europe; but one on the night of Wednesday passed directly over the northern parts of England and Ireland. On this occasion the wind became Easterly or North-Easterly in Scotland. In force the winds were often fresh or strong on the western and southern coasts, and more than once reached gale force in some exposed places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 11 weeks from June 2nd.	Warmth ...	2 * 7	1 * 8	2 * 7	2 * 6	1 * 6	0 * 7	1 * 6	1 * 6	1 * 7	2 * 5	2 * 5	2 * 6
	Rainfall ...	5 * 2	3 * 2	3 * 3	1 * 3	5 * 2	4 * 2	5 * 2	6 * 1	6 * 2	6 * 2	4 * 2	3 * 4
	Sunshine ...	2 * 6	1 * 7	1 * 3	0 * 4	1 * 5	2 * 4	1 * 6	1 * 6	1 * 5	1 * 3	2 * 5	2 * 7

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (33rd)—August 11th to 17th, 1907.

DISTRICTS. (See p. 259.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	68	36	57·6	44·2	50·5	− 3·9	60	− 27	0	0	6	+ 1	1·18	+0·32	22	− 6	20	− 6
Eastern																		
1. SCOTLAND, EAST	68	35	60·0	46·1	52·6	− 3·6	74	− 25	0	0	7	+ 3	1·34	+0·65	23	− 11	22	−10
2. ENGLAND, N.E.	72	47	65·7	52·6	58·8	+ 0·8	118	+ 6	0	0	5	+ 1	1·18	+0·60	30	− 3	29	− 3
3. ENGLAND, EAST	77	44	69·6	53·5	61·1	+ 1·1	134	+ 8	0	0	5	+ 2	0·66	+0·09	42	− 1	41	− 1
4. MIDLAND COUNTIES	73	47	66·1	52·5	58·9	− 0·2	118	− 1	0	0	5	+ 1	1·09	+0·50	36	− 3	35	− 3
5. ENGLAND, SOUTH	72	47	66·3	54·9	60·3	− 0·8	128	− 6	0	0	5	+ 2	1·12	+0·57	45	− 1	44	− 1
Western																		
6. SCOTLAND, WEST	69	41	62·4	49·6	55·6	− 1·0	95	− 7	0	0	7	+ 2	1·99	+0·96	24	− 12	23	−11
7. ENGLAND, N.W.	72	45	63·2	53·2	57·9	− 0·4	111	− 4	0	0	6	+ 2	1·35	+0·55	23	− 13	23	−12
8. ENGLAND, S.W...	73	45	64·4	53·5	58·6	− 0·7	116	− 6	0	0	7	+ 3	1·52	+0·79	28	− 18	28	−18
9. IRELAND, NORTH	70	43	62·6	50·8	56·4	− 0·7	101	− 4	0	0	7	+ 2	1·42	+0·51	22	− 9	21	− 9
10. IRELAND, SOUTH	73	48	64·5	53·4	58·7	+ 0·3	117	+ 2	0	0	7	+ 3	1·09	+0·12	24	− 13	23	−13
11. ENGLISH CHANNEL	73	51	66·2	57·2	61·4	− 0·3	136	0	0	0	6	+ 2	0·64	+0·04	35	− 19	35	−19

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 11 Weeks, June 2nd to August 17th, 1907.

0. SCOTLAND, NORTH	86	33	*	*	*	*	747	−157	1	+ 1	56	+ 9	9·61	+1·75	289	− 60	22	− 5
Eastern																		
1. SCOTLAND. EAST	84	32	*	*	*	*	827	−236	0	0	53	+13	7·78	+1·42	325	− 90	25	− 7
2. ENGLAND, N.E...	76	35	*	*	*	*	1058	−128	0	0	45	+10	5·48	−0·24	396	− 24	32	− 2
3. ENGLAND, EAST	78	37	*	*	*	*	1192	−140	0	0	37	+ 4	4·35	−1·30	439	− 74	36	− 6
4. MIDLAND COUNTIES.. ..	82	37	*	*	*	*	1097	−198	0	0	49	+15	7·29	+1·53	403	− 58	33	− 5
5. ENGLAND, SOUTH	81	37	*	*	*	*	1191	−208	0	0	39	+ 8	4·77	−0·44	476	− 53	39	− 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	984	−124	0	0	53	+11	11·50	+2·52	359	− 85	28	− 7
7. ENGLAND, N.W...	81	37	*	*	*	*	1050	−177	0	0	57	+19	10·42	+3·28	373†	− 86	30	− 7
8. ENGLAND, SW	82	34	*	*	*	*	1102	−193	0	0	53	+16	9·24	+2·42	437	− 94	36	− 8
9. IRELAND, NORTH	81	37	*	*	*	*	983	−146	0	0	60	+13	10·24	+2·23	348	− 26	28	− 2
10. IRELAND, SOUTH	85	37	*	*	*	*	1149	−100	0	0	56	+16	8·89	+1·10	386	− 34	31	− 3
11. ENGLISH CHANNEL	78	44	*	*	*	*	1275	−125	0	0	41	+ 4	4·22	−1·23	528	− 89	44	− 7

THE YEAR.—Aggregates, &c., for the period of 33 Weeks, December 30th, 1906, to August 17th, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	1150	−184	522	− 21	168	+17	32·83	+5·86	792	− 64	25	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1291	−306	599	+ 11	133	+ 9	18·31	+1·24	918	− 60	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1652	− 86	501	+ 26	123	+11	14·28	+0·08	1053	+ 86	34	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1851	−172	518	− 3	114	+ 6	13·05	−1·02	1123	− 25	37	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1782	−232	540	+ 7	123	+15	16·44	+1·00	994	− 34	33	− 1
5. ENGLAND, SOUTH .. .	81	16	*	*	*	*	1907	−259	434	+ 53	109	+ 7	13·96	−0·86	1167	+ 7	39	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1552	−144	404	+ 6	143	+12	31·11	+4·10	909	−107	30	− 4
7. ENGLAND, N.W.	81	15	*	*	*	*	1646	−205	418	+ 32	143	+24	22·27	+2·85	976†	− 59	32	− 2
8. ENGLAND, S.W...	82	5	*	*	*	*	1767	−293	396	+ 95	140	+23	22·68	+1·75	1080	−123	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1571	−218	292	− 53	162	+20	26·42	+4·43	877	− 57	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	1921	−147	256	− 3	154	+28	21·28	−2·05	977	− 65	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	2121	−198	96	− 13	120	− 4	14·56	−2·81	1239	−141	41	− 5

† The corresponding value for last week slightly altered owing to the receipt of further information.

August 11-17, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	55	36	52·9	42·4	47·3	- 5·4	37	0	6	1·21	+ 0·50	16·5	- 10·8	15	- 10
		Stornoway	59	40	57·3	44·4	50·5	- 3·8	60	0	5	0·74	- 0·13	26·7	- 3·7	25	- 3
	Mainland.	Wick	62	39	57·4	43·9	50·3	- 4·3	58	0	5	0·72	+ 0·11	*	*	*	*
		†Lairg (Strathpeffer)	65	40	59·7	42·8	50·7	- 3·8	61	0	7	0·66	- 0·02	24·6	- 3·1	23	- 3
		Glencarron	68	40	57·7	44·7	50·8	- 3·7	62	0	7	1·62	- 0·01	*	*	*	*
		Fort Augustus	62	40	58·8	45·3	51·7	- 4·7	68	0	7	1·08	+ 0·29	18·0	- 2·5	17	- 2
		Fort William	62	41	59·1	46·1	52·2	- 4·7	71	0	7	2·21	+ 0·87	*	*	*	*
		(West Linton)												21·8	—	21	—
1. SCOTLAND, E.		Nairn	64	39	60·0	44·4	51·7	- 4·6	68	0	7	0·42	- 0·18	24·7	—	23	—
		Aberdeen	65	39	60·0	46·6	52·9	- 3·4	76	0	7	0·41	- 0·29	26·8	- 7·9	25	- 7
		†Balmoral (Crathes)	60	35	56·6	39·9	47·8	- 5·6	49	6	6	1·03	+ 0·21	20·7	—	20	—
		†Crieff (Balruddery)	65	45	60·9	48·1	54·1	- 2·9	85	0	7	1·76	+ 0·86	23·6	—	23	—
		†Leith (Edinburgh)	68	48	62·3	49·7	55·6	- 2·8	95	0	6	2·72	+ 2·08				
		Marchmont	65	42	60·4	47·7	53·7	- 2·2	82	0	6	1·71	+ 0·88	18·6	- 15·2	18	- 15
		(Saltburn)												28·8	—	28	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	68	47	63·6	50·3	56·6	- 0·4	102	0	7	1·41	+ 0·69	24·2	—	23	—
		†Shields (Newcastle)	71	48	64·7	50·6	57·2	- 0·3	106	0	7	1·91	+ 1·27	18·7	- 11·3	18	- 11
		Durham	69	47	63·3	51·1	56·8	- 1·2	104	0	5	0·65	+ 0·04	22·8	- 11·0	22	- 11
		Scarborough	71	50	67·4	53·7	60·1	+ 1·6	127	0	4	1·10	+ 0·46	33·0	—	32	—
		York	70	50	66·7	53·6	59·8	+ 0·7	125	0	4	1·13	+ 0·55	27·9	- 6·5	27	- 6
	Southern part.	Spurn Head	72	53	66·3	55·3	60·5	+ 0·9	130	0	5	1·27	+ 0·81	*	*	*	*
		†Lincoln (Skegness)	72	48	67·4	53·0	59·8	- 0·3	125	0	5	0·99	+ 0·42	37·5	—	36	—
		†Fulbeck (Rauceby)	71	47	66·2	53·0	59·2	- 0·9	120	0	5	0·94	+ 0·36	37·0	—	36	—
3. ENGLAND, E	Northern part.	Hillington	74	44	68·1	50·3	58·7	- 1·4	117	0	6	1·05	+ 0·40	33·5	- 7·5	33	- 7
		†Yarmouth (Lowestoft)	75	51	69·6	54·4	61·5	+ 1·1	137	0	5	0·44	- 0·11	46·8	—	46	—
		Geldeston	77	48	71·3	51·1	60·6	+ 0·5	130	0	4	0·54	+ 0·05	38·4	- 5·4	38	- 5
		(Cromer)												33·5	—	33	—
	Southern part.	Cambridge	73	48	69·4	52·0	60·2	- 0·7	127	0	5	0·65	+ 0·11	39·9	- 3·1	39	- 3
		Felixstowe	76	53	70·8	56·1	63·0	+ 1·6	147	0	5	0·58	—	56·1	—	55	—
		Clacton-on-Sea	74	51	70·0	55·4	62·3	+ 0·2	142	0	4	0·57	—	48·4	—	48	—
		Rothamsted	70	48	67·7	51·7	59·2	- 0·5	120	0	5	0·74	+ 0·16	42·6	- 1·2	42	- 1
		†Shoeburyness (Southend)	75	50	70·4	56·0	62·8	+ 0·1	146	0	4	0·66	+ 0·26	46·2	—	46	—
		London, Westminster	71	51	68·7	54·9	61·4	- 0·3	136	0	4	0·70	+ 0·16	43·3	+ 5·0	43	+ 5
		(Dunmow)												45·0	—	44	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	69	48	63·8	51·2	57·1	- 0·3	106	0	4	0·94	+ 0·28	24·9	—	24	—
		†Bawtry (Worksop)	73	49	67·9	53·7	60·4	+ 1·2	129	0	4	1·16	+ 0·60	29·7	- 3·8	29	- 4
		Nottingham	71	48	66·7	52·7	59·3	- 0·5	121	0	5	1·48	+ 0·90	38·4	—	37	—
		Birmingham, Edgbaston	69	49	64·8	52·5	58·3	- 0·7	114	0	5	1·04	+ 0·38	39·8	—	39	—
		Oxford	70	50	67·4	53·3	59·9	- 0·7	125	0	5	0·48	- 0·07	40·0	- 2·0	39	- 2
	Western part.	†Cheadle (Sheffield)	67	48	62·9	51·5	56·9	- 0·5	104	0	6	1·78	+ 0·98	36·0	—	35	—
		Shrewsbury	72	48	66·5	53·3	59·5	+ 0·1	123	0	5	1·46	—	*	*	*	*
		Hereford	71	48	68·0	52·1	59·6	- 0·2	123	0	5	0·98	+ 0·41	*	*	*	*
		Cirencester	69	47	65·8	50·2	57·5	- 0·9	109	0	6	0·73	+ 0·03	39·8	- 1·5	39	- 2
		Bath	72	52	67·3	54·4	60·5	+ 0·1	130	0	6	0·80	+ 0·14	36·4	—	36	—
		(Margate)												53·8	+ 10·4	53	+ 10
5. ENGLAND, S.		Kew	72	52	68·5	56·4	62·1	+ 1·1	141	0	4	0·85	+ 0·31	46·2	+ 3·3	46	+ 3
		Wisley, Surrey	70	51	67·9	54·1	60·6	- 1·3	130	0	3	1·59	—	45·5	—	45	—
		†Swarraton (Ventnor)	69	48	66·0	52·6	58·9	- 0·1	118	0	7	1·84	+ 1·18	38·8	- 7·8	38	- 8
		Tunbridge Wells	70	47	67·5	52·2	59·4	- 0·9	122	0	5	1·63	+ 1·09	45·8	+ 1·5	45	+ 1
		†Dungeness (Littlestone)	68	51	66·0	56·9	61·2	- 0·5	134	0	5	0·64	+ 0·19	49·6	—	49	—
		Hastings	69	50	65·6	54·4	59·7	- 1·6	124	0	6	0·79	+ 0·23	50·8	+ 2·4	50	+ 2
		Southampton	72	52	67·5	55·2	61·0	- 1·1	133	0	5	1·18	+ 0·56	40·1	- 7·1	40	- 7
		†Portland Bill (Worthing)	62	55	61·4	57·1	59·1	- 2·8	120	0	4	0·44	—	47·6	—	47	—
		(Eastbourne)												49·1	+ 1·7	49	+ 2
6. SCOTLAND, W.		Laudale	63	41	61·1	47·4	53·8	- 3·2	83	0	7	1·41	+ 0·06	*	*	*	*
		Glasgow	66	48	61·2	50·2	55·4	- 1·3	94	0	7	2·50	+ 1·57	20·8	- 9·2	20	- 9
		Dumfries	69	44	64·6	49·1	56·4	- 1·9	101	0	6	2·00	+ 1·13	*	*	*	*
		Cally	65	45	62·7	49·1	55·5	- 0·9	95	0	7	1·63	+ 0·58	*	*	*	*
		Douglas, Isle of Man	66	46	62·3	52·2	57·0	- 0·1	105	0	7	2·42	+ 1·49	26·4	- 13·2	25	- 13
7.	ENGLAND, N.W.	Aspatria	66	46	62·0	51·9	56·7	- 0·7	103	0	6	2·21	+ 1·21	17·6	—	17	—
		Newton Rigg	64	45	61·6	50·8	55·9	- 0·3	97	0	6	1·13	+ 0·35	23·1	- 11·5	22	- 11
		Stonyhurst	66	48	61·4	52·5	55·7	- 1·2	103	0	7	2·05	+ 0·87	16·5	- 18·1	16	- 18
		Blackpool	67	51	62·2	54·2	58·0	- 1·1	112	0	6	1·40	+ 0·60	22·5	- 14·8	22	- 14
		Manchester, Prestwich	69	48	64·6	51·5	57·7	- 0·5	110	0	6	1·85	+ 0·98	26·8	- 4·3	26	- 4
		†Liverpool Obs. (Hoylake)	70	51	64·0	54·9	59·2	- 0·3	120	0	4	1·09	+ 0·39	27·8	—	27	—
		†Hawarden Bridge (Southport)	72	50	66·1	54·6	60·0	0·0	126	0	4	0·92	+ 0·24	25·1	- 14·0	24	- 14
	NORTH WALES	Llandudno	70	50	64·9	55·3	59·8	- 0·3	125	0	4	0·88	+ 0·21	28·2	- 9·8	27	- 10
		†Holyhead (Aberdovey)	64	50	61·4	53·4	57·2	- 1·7	106	0	6	0·87	+ 0·14	26·6	—	26	—
		Bettws-y-Coed	67	47	63·3	53·3	58·0	- 1·2	112	0	7	1·13	—	21·4	—	21	—
8.	SOUTH WALES	Llangammarch Wells	67	45	62·9	51·3	56·8	- 1·1	104	0	6	1·89	—	26·8	—	26	—
		Pembroke	63	52	61·4	54·3	57·6	- 1·7	109	0	6	2·08	+ 1·40	28·0	- 15·8	28	- 15
		†Cardiff (Aberystwyth)	69	50	65·3	53·6	59·1	- 1·2	120	0	7	1·50	+ 0·47	22·5	—	22	—
	ENGLAND S.W.	Clifton	70	50	66·9	54·2	60·2	- 0·9	127	0	7	0·74	- 0·06	35·4	—	35	—
		†Shaftesbury (Marlborough)	67	50	63·9	51·7	57·4	- 1·5	108	0	7	1·62	+ 0·96	29·1	- 11·2	29	- 11
		†Arlington (Newquay)	66	49	63·1	52·3	57·4	- 0·9	108	0	7	3·37	+ 2·26	28·8	- 17·6	29	- 17
		Cullompton	73	49	68·1	52·2	59·7	- 0·3	124	0	7	1·21	+ 0·53	20·7	- 20·4	21	- 20
		Plymouth	66	52	63·8	55·7	59·5	- 1·6	123	0	7	1·06	+ 0·39	29·8	- 14·9	30	- 15
		Falmouth	68	53	64·6	55·9	60·0	- 0·2	126	0	7	1·20	+ 0·43	30·9	- 17·6	31	- 17
		(Torquay)												33·6	- 14·0	33	- 14
9. IRELAND, N.	Western part.	Malin Head	66	50	60·1	50·4	55·0	- 2·3	91	0	7	1·86	+ 1·02	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	62	51	60·3	52·4	56·1	- 1·9	99	0	7	1·35	+ 0·27	*	*	*	*
		Markree Castle	67	44	64·5	49·5	56·6	- 0·1	102	0	7	1·46	+ 0·49	20·1	- 9·0	19	- 9
	Eastern part.	Armagh	68	43	64·2	50·7	57·1	- 0·1	106	0	6	1·16	+ 0·36	23·3	- 6·1	22	- 6
		Donaghadee	70	45	63·9	50·9	57·0	- 0·3	105	0	7	1·28	+ 0·50	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park)	73	48	66·9	54·0	60·1	+ 0·7	127	0	5	0·47	- 0·25	32·2	- 4·8	31	- 5
		Kilkenny	72	49	66·9	52·6	59·3	+ 0·5	121	0	7	0·97	+ 0·14	*	*	*	*
		Waterford	70	49	65·6	52·9	58·9	- 0·1	118	0	7	1·27	+ 0·39	*	*	*	*
	Western part.	Birr Castle	66	48	62·3	51·7	56·7	- 1·5	103	0	7	1·13	+ 0·24	20·3	- 12·0	20	- 12
		Foynes	67	50	63·8	53·5	58·3	- 0·2	114	0	7	0·93	+ 0·02	*	*	*	*
		Killarney	70	50	65·4	54·4	59·6	+ 0·5	123	0	7	1·30	+ 0·25	*	*	*	*
		Valencia	65	51	62·3	54·6	58·2	- 1·0	113	0	7	1·40	+ 1·25	12·8	- 21·8	13	- 21
		†Roches Point (Ballinacurra)	66	52	63·1	53·7	58·1	- 1·3	113	0	7	1·21	+ 0·26	28·6	—	28	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	67	56	64·0	57·4	60·5	- 0·5	130	0	7	0·66	+ 0·07	29·4	- 22·1	29	- 22
		†Jersey, St. Aubins (St. Heliers)	73	51	68·0	57·1	62·2	- 0·8	141	0	6	0·28	- 0·29	38·4	- 16·5	38	- 17
		Guernsey	70	55	66·6	57·0	61·5	- 0·1	137	0	5	0·99	+ 0·39	37·4	- 17·9	37	- 18

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 56·1 hrs., 56 %; Brighton, 47·8 hrs. (- 1·5), 47 % (- 2 %); Bournemouth, 37·7 hrs., 37 %; Bognor, 47·8 hrs., 47 %; Rhyl, 27·2 hrs., 26 %; Tenby, 31·8 hrs. (- 12·6), 31 % (- 12 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·5
	Crathes	0	31	55·9	54·5
	Balmoral	1	27	—	—
	Marchmont ..	0	36	56·7	—
2.	Cockle Park	0	37	56·4	53·9
	York	—	—	58·9	55·7
	Hull		46	60·0	55·4
	Lincoln	—	—	60·6	57·0
3.	Lowestoft	—	—	62·2	58·8
	Cambridge	0	44	61·6	59·1
	Dunmow	0	43	—	—
	Clacton-on-Sea ..	0	45	61·6	59·4
4.	Harrogate	0	43	56·1	54·8
	Sheffield	0	44	58·8	55·1
	— — ..				
	Birmingham	0	43	55·9	52·9
	Nottingham	0	43	59·5	58·0
	— — ..				
5.	Kew	0	45	61·5	58·3
	Canterbury	—	—	—	—
	Portsmouth	0	50	63·2	60·5
	Wisley	0	44	61·1	59·1
6.	— — ..				
	Glasgow	0	41	—	—
	— — ..				
7.	Newton Rigg ..	0	36	58·1	55·1
	Southport	0	47	62·6	61·1
	Manchester City ..	0	47	59·1	57·2
	Bettws-y-Coed ..	0	46	57·4	54·0
	— — ..				
8.	Llangammarch Wells	0	37	58·8	54·9
	Bath	—	—	62·5	60·9
	Plymouth	0	48	61·8	—
	— — ..				
9.	Armagh	0	39	60·1	57·8
	Markree Castle ..	0	40	—	—
10.	Dublin, Trin. Coll. ..	0	41	59·7	57·5
11.	Guernsey, Brooklyn	0	50	63·2	61·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·8
	Kirkwall	54	52	53·0
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	56	54	54·9
	Pennan Bay	55	53	53·7
	Aberdeen, Cove Bay ..	59	55	56·3
ENGLAND, N.E.	Burnmouth, Berwick ..	55	53	54·2
	Scarborough	65	52	58·4
ENGLAND, E.	Shipwash Lightship ..	63	60	61·0
	Margate	63	61	62·5
ENGLAND, S.E.	Eastbourne‡	63	62	62·5
SCOTLAND, W.	Lamlash	56	53	53·7
	Ballantrae	55	53	53·8
ENGLAND, N.W.	Port Erin	57	55	56·0
ENGLAND, S.W.	Newquay	62	61	61·6
	Plymouth‡	60	59	59·4
	Salcombe	59	57	57·9
IRELAND, N.W.	Sheephaven	60	57	59·4
	Ballyglass	62	56	58·5
IRELAND, S.W.	Cleggan	59	56	57·8
	Seafield	64	59	60·7
IRELAND, E.	Kingstown‡	—	—	—

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

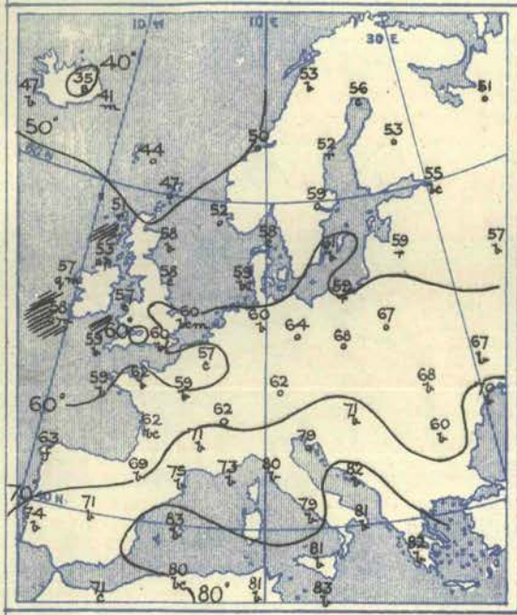
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

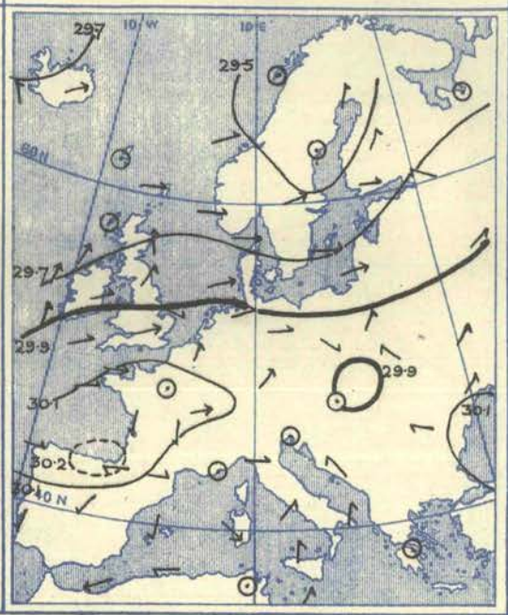
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 11th August, 1907.

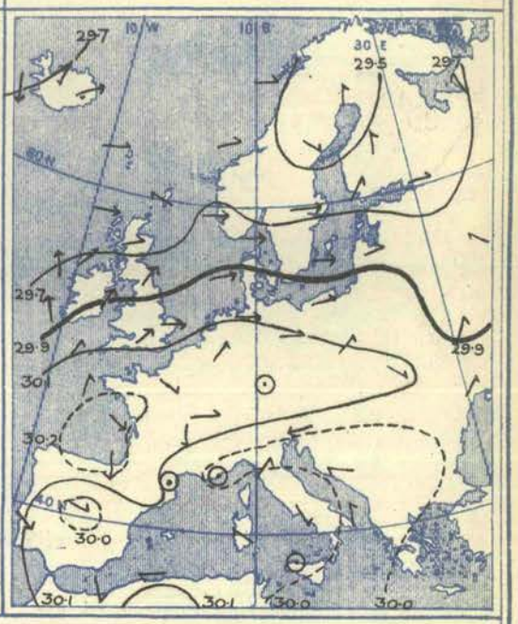
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the major portion of our area, but overcast in places, with rain at scattered stations over the north of the Continent and in the Hebrides, and with snow at Grimstadir. Rain falling at nearly all our own stations, in Scandinavia, and in various parts of Russia during day, and a thunderstorm occurring in the south of Ireland. Rain very heavy at some Scottish stations.

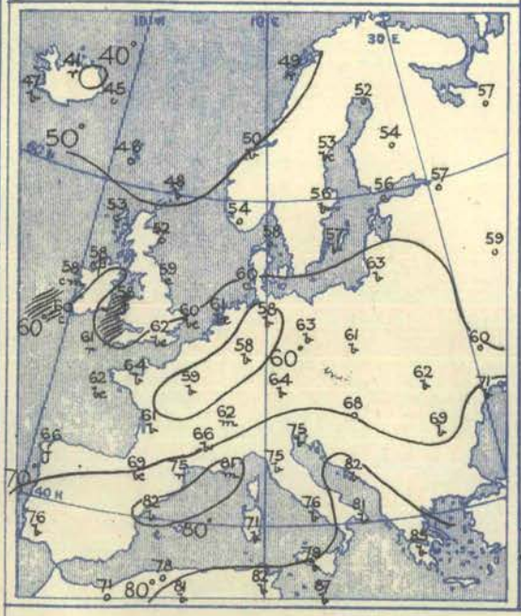
Temperature changed little and rather irregularly. Readings in morning about 80° at many stations in the extreme south of our area and as high as 70° in Hungary. Below 60° over the north and west of our Islands and nearly the whole of northern Europe, and as low as 35° at Grimstadir. Rising later to 100° at Aumale and Madrid, 99° at Brindisi, 95° at Cette, and to about 90° at several southern stations. Maxima above 70° over the central countries, and rather below it in nearly all parts of this country.

Wind in morning anticyclonic over France and Spain and also in the south-east of Europe. Cyclonic elsewhere; light or moderate generally, but Westerly current fresh to strong over the south of these Islands and at Faerder. . Westerly wind becoming strong over southern Scandinavia by evening. Backing to South-West very generally over England and to South-South-East over the west of Ireland.

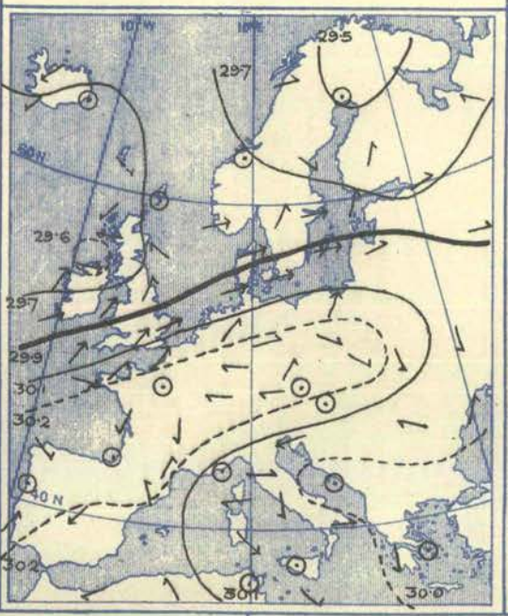
Barometer in morning above 30·2 ins. in the south-west of France and above 30·1 ins. over the Black Sea. Below 29·5 ins. over the northern half of Scandinavia and relatively low off our north-west coasts and in Italy. Anticyclone extending right across the central countries of the Continent during day. A rather shallow depression approaching a position between Caithness and Shetland. Pressure increasing somewhat over England, but decreasing again along the west coast of Ireland.

Monday, 12th August, 1907.

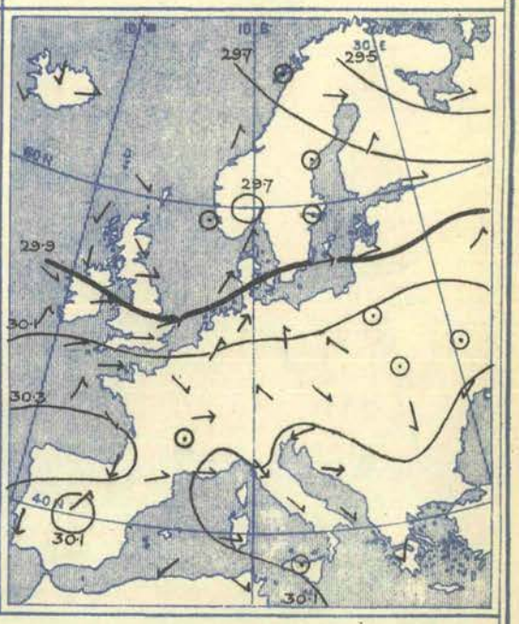
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull, with rain in places, over the United Kingdom, and rain also falling in Iceland, at Bodö, Karlstad, and Perpignan. Fair or fine and bright in most other localities. Rain experienced during the ensuing twenty-four hours in most parts of these Islands and Scandinavia, as well as at Pesaro and Hermanstadt. Largest measurement 1·0 in. at Karlstad; amounts generally small over this country, but 0·5 in. at Leith.

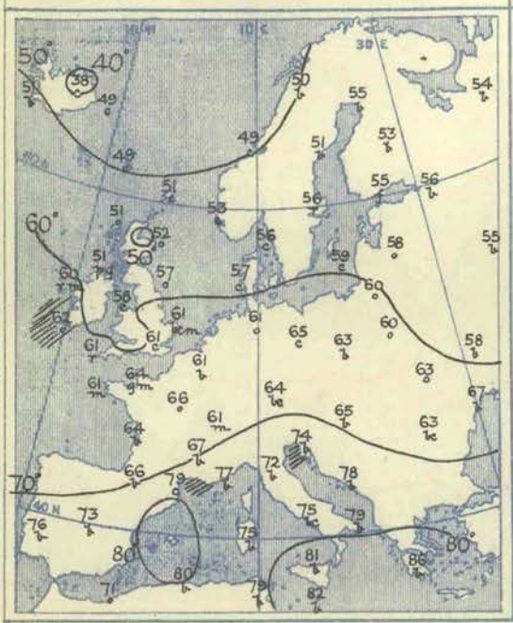
Temperature risen over Ireland, fallen in most other regions. Readings in morning about 60° over a large part of England and Ireland and the adjacent countries of the Continent; increasing to nearly 90° in the extreme south of our area, and decreasing to below 50° at Bodö and in Iceland. Maxima during day 102° at La Calle and Madrid, 99° at Cagliari, 95° at Athens, and a little below or above 90° in many other southern localities. Thermometer rising to about 70° over the eastern half of England, but only touching 55° at Aberdeen.

Wind in morning varying locally, but mainly between South-West and West over all the northern half of our area, and from some point between North and East in the south. A gale prevailing at Wisby and fresh or strong winds over Ireland and England, and also at Trieste. Shifting to the northward later in Scotland and to West over England. Increasing to a strong breeze on the eastern and southern shores of the North Sea.

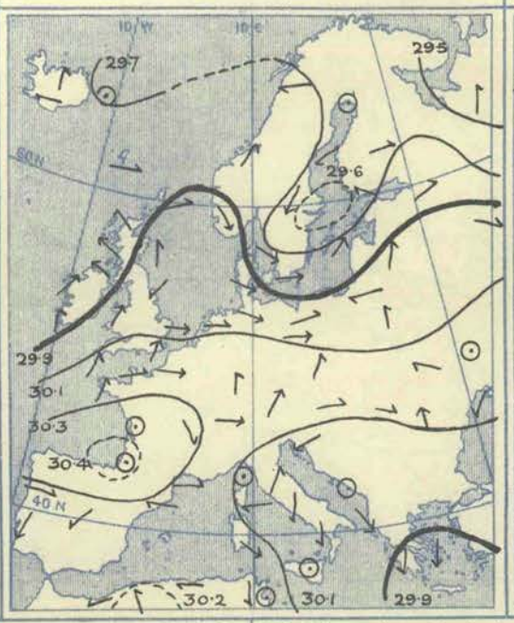
Barometer in morning 30·1 ins. to above 30·2 ins. in a very extensive anticyclonic band stretching from beyond the west of the Spanish Peninsula across all the central countries to the Russian border. Below 29·6 ins. in a depression off the north of Ireland, and below 29·5 ins. in another system in the extreme north of Sweden. Irish depression travelling eastwards to the North Sea later and barometer rising briskly in its rear.

Tuesday, 13th August, 1907.

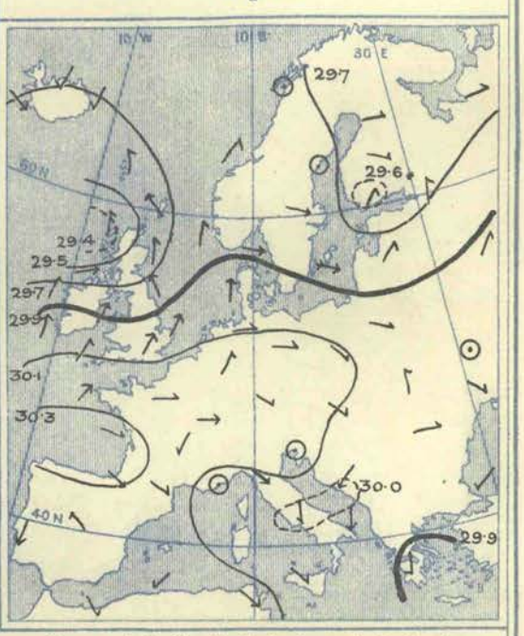
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with rain in several places over Ireland, Wales, and Scotland, and also over the south of Scandinavia; fair or fine in most other regions. Slight rain later in various parts of these Islands, and much fog and mist on western and southern coasts. Some rain falling over Scandinavia, northern Russia, and Finland.

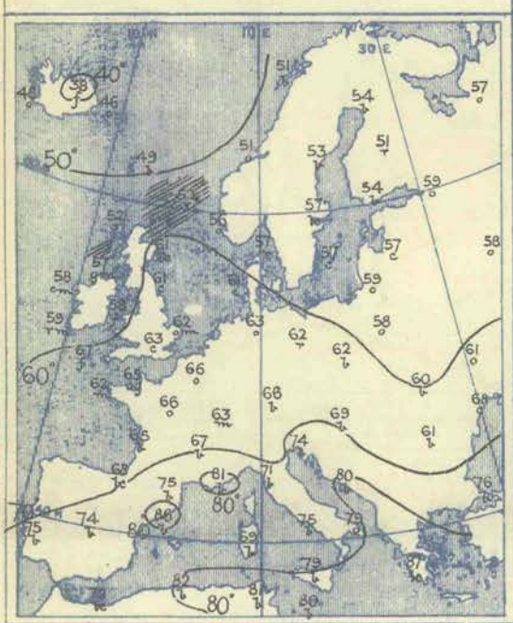
Temperature changed little and rather irregularly. Readings in morning above 80° at several stations in the Mediterranean region, decreasing to about 60° over England and Ireland, to 50° in the north-west of Norway, and to 38° at Grimstadir. Maxima during day 104° at Toulouse, 102° at Madrid, 100° at Cette, 95° at Cagliari and Patras, and between 80° and 90° over the southern districts generally. Thermometer rising to 75° or 76° on the coasts of East Anglia, and to 70° at Donaghadee and over a large portion of Great Britain.

Wind in morning anticyclonic over France and the Spanish Peninsula; cyclonic elsewhere. Strong from the North-Westward over Denmark and at Skudesnaes, and fresh from between South-West and South-East over the north of Ireland. Increasing greatly in force later on our western and north-western coasts; becoming high or blowing a fresh or strong South-Westerly gale during the evening or night at some outlying stations. A fresh or strong Westerly breeze prevailing over the English Channel.

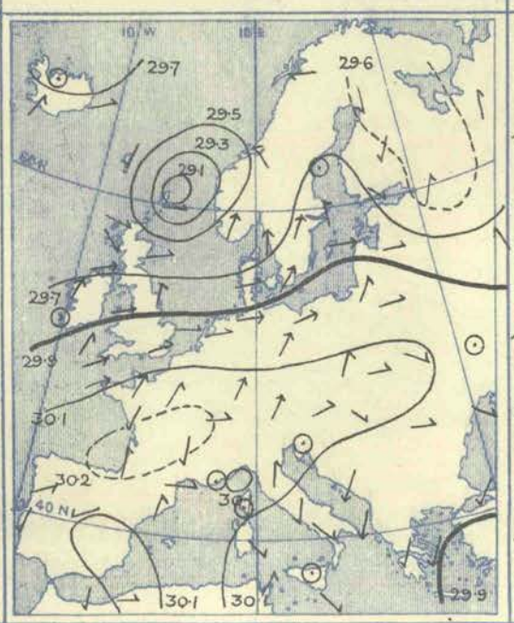
Barometer in morning ranging from above 30·4 ins. over the north-east of Spain to less than 29·3 ins. off our north-west coasts, below 29·6 ins. in a depression over the south of Sweden, and to below 29·5 ins. over the White Sea. Swedish disturbance travelling eastwards during day and maintaining the same depth, but another system, apparently of increasing intensity, approaching the north-west coast of Scotland and causing a great steepening of the gradients in its neighbourhood. Barometer falling half an inch in the Hebrides between 8 a.m. and 6 p.m.

Wednesday, 14th August, 1907.

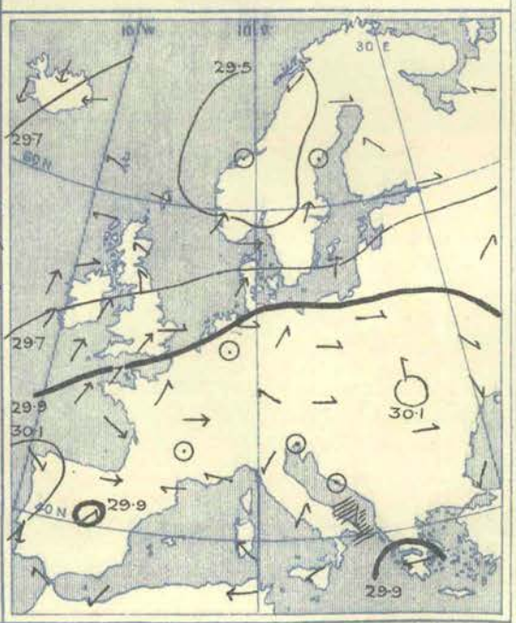
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over all the central and southern regions; cloudy or overcast elsewhere, with rain in several parts of these Islands, Scandinavia, Denmark, and the Baltic, as well as at Berlin and Kuopio. Heavy rain falling subsequently in many parts of these Islands, and more or less reported over north-western Europe generally. Measurements of about an inch in several parts of England. Thunder heard in London at night and lightning seen at Clacton-on-Sea.

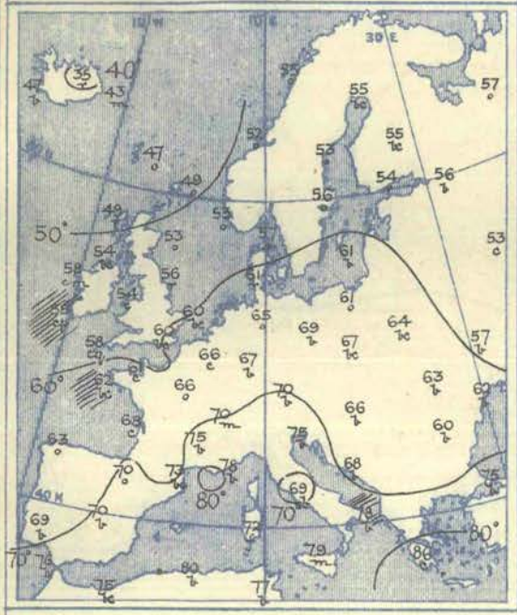
Temperature risen in most regions. Readings in morning as high as 86° at Barcelona and about 80° over a large portion of the Mediterranean area. About 60° over nearly the whole of the United Kingdom and most of Russia, but decreasing to 51° at Bodö, and to below 50° in Iceland. Maxima during day above 90° in many places over the south of our area, and as high as 102° at Madrid. Thermometer rising to about 70° at our eastern and south-eastern stations, but scarcely exceeding 60° in the west and north.

Wind in morning showing an extensive cyclonic circulation over the north-western countries; Westerly current blowing a gale at Wick, but no force beyond a fresh breeze elsewhere. Light anticyclonic airs prevailing over all the central countries. Becoming more Southerly over the United Kingdom by evening and gale at Wick subsiding. No general change occurring.

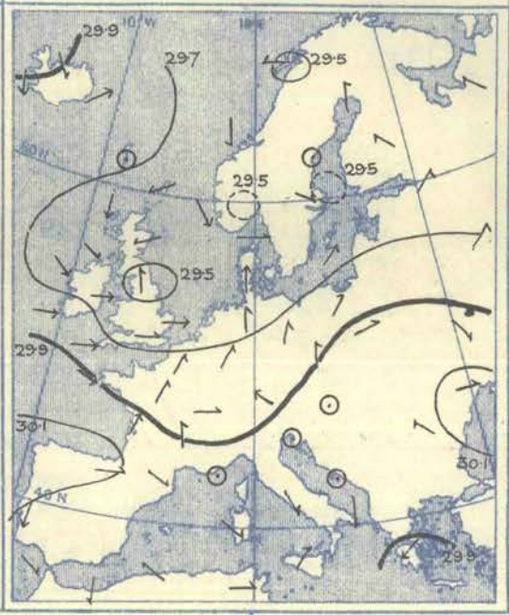
Barometer in morning above 30·2 ins. in an anticyclonic system having its maximum over France; below 29·6 ins. over Finland, and less than 29·1 ins. in a deep disturbance having its minimum over Shetland. Barometer falling again in the south-west of Ireland. Shetland disturbance becoming much less deep during day and travelling to the west of Norway. Pressure giving way somewhat within the anticyclonic region, and a new depression approaching our Islands from the westward.

Thursday, 15th August, 1907.

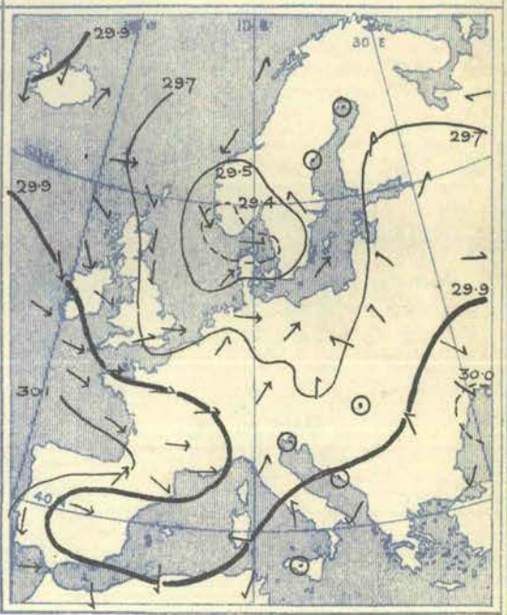
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine or fair over the greater part of the Continent and in some parts of these Islands, but dull and rainy at a few of our own stations, at some of those in Iceland, and also at Helsingfors. Continuing fine during day in southern Europe, but rain becoming general over the British Islands and the north-western and central countries of the Continent; thunderstorms occurring in the east of England, at Cuxhaven and in several parts of France; largest measurement, 1·18 inch at Shields.

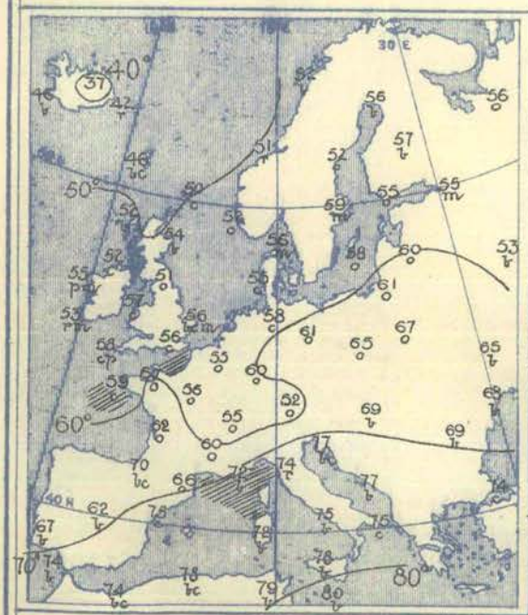
Temperature risen over northern Italy, central France and Germany; fallen over these Islands, on the shores of the Mediterranean, and over south-eastern Europe. Morning readings ranging from 40° or below in Iceland and about 50° in the north of Scotland to 60° or above in the south-east of England and over the Continent generally, to above 70° degrees over southern Europe and 80° degrees or above in Greece. Maxima during day remaining below 60° at many of our western and northern stations, and not exceeding 70° in any part of our Islands, but reaching 85° to 95° in many parts of southern Europe.

Wind showing a cyclonic circulation around our Islands and adjacent regions, North-Westerly from the Hebrides to Brittany, Westerly over the south of England, South-Westerly and Southerly over the North Sea, and Easterly or North-Easterly in Scotland; generally moderate or fresh in force. Very variable and light over the Continent as a whole. Increasing to a high wind in the Channel during day; little other change.

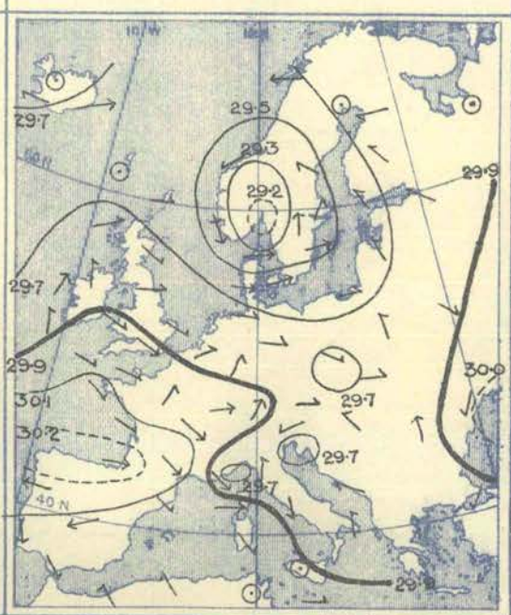
Barometer risen in some of the northern parts of our area, fallen very generally elsewhere. Readings at 8 a.m ranging from below 29·5 ins. in a depression lying over the south of Scotland and north of England to 30·1 ins. and upwards over the north of Spain and also in another high-pressure system in the neighbourhood of the Black Sea; relatively low, 29·9 ins. and less, over Greece. British depression moving north-eastwards to the south of Norway during day, attended on the Continent by numerous secondary systems. Pressure increasing over our Islands.

Friday, 16th August, 1907.

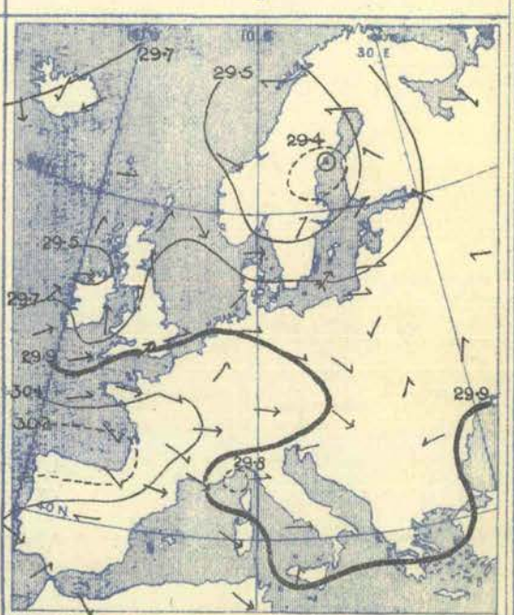
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in nearly all the southern regions, but cloudy or overcast over our area generally, with rain at some of our own western stations, as well as at some places in Iceland, and at Christiansund and Prague. Rain falling later over the United Kingdom, central and northern Europe, and in several parts of France; many measurements of about 0·5 in. and some of 0·7 in.

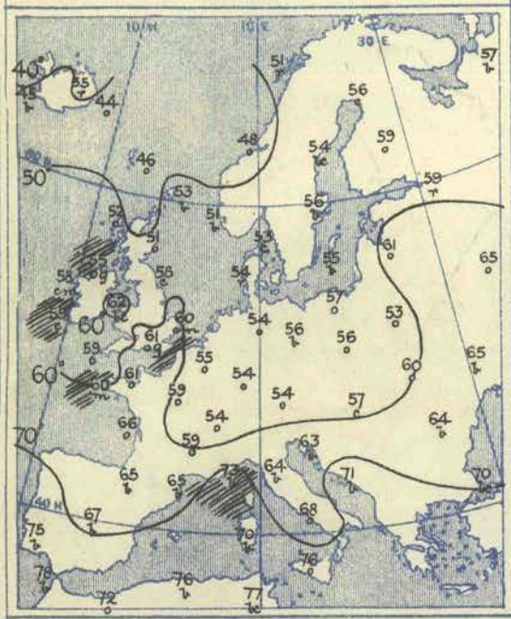
Temperature fallen generally over the northern half of our area. Readings in morning between 75° and 80° over a very large area in the south and about 70° over Hungary. Below 55° in several parts of these Islands and only 49° at Nairn. Maxima during day below 60° in several parts of these Islands and not much above that point at some German stations, but thermometer rising to between 80° and 90° very generally over southern Europe, and above 90° in a few places.

Wind in morning showing several cyclonic circulations. Northerly current blowing a strong gale at Skudesnaes. Southerly or South-Westerly winds of moderate strength prevailing over Ireland. Increasing very generally over our western and southern districts during day, and becoming high from the Southward at Holyhead, blowing a gale from the Westward at Malin Head at night. Westerly gales also experienced over southern Scandinavia.

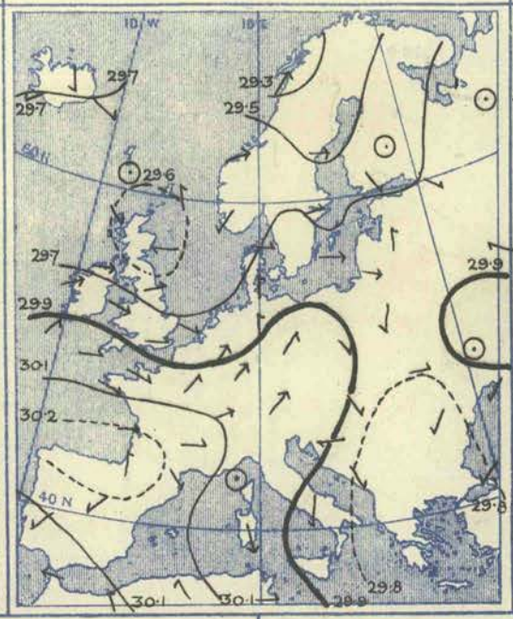
Barometer in morning ranging from above 30·2 ins. over the north of Spain and the adjacent portion of the Bay of Biscay to below 29·7 ins. in a depression over the Gulf of Genoa, and in another system over the centre of Europe, to less than 29·2 ins. in a very extensive disturbance having its minimum over southern Norway. A fresh depression appearing later over our western coasts, and barometer falling to 29·42 ins. by 6 p.m. at Malin Head. Scandinavian disturbance moving slowly northwards.

Saturday, 17th August, 1907.

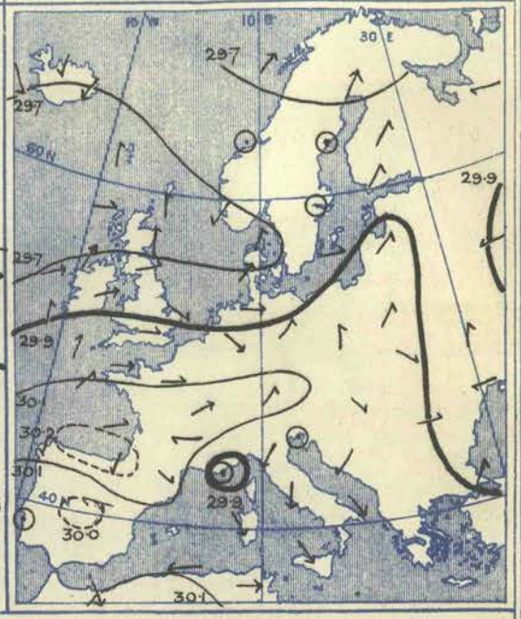
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Scotland, the Low Countries, and Jutland, and also at St. Petersburg, Bodö, and Grimstadir; cloudy or overcast in most parts of northern and north-western Europe, as well as at some stations in Austria-Hungary, but fine and bright in the south. Rain experienced later at almost all our own stations, with thunder locally in the south of England, rain also falling in Scandinavia and central Europe. Amounts heavy in some parts of southern England.

Temperature risen over England and Ireland. Readings in morning above 70° at many southern stations and as high as 65° at Moscow; below 60° in many parts of central Europe and at nearly all our own stations, and as low as 48° at Christiansund and 35° at Grimstadir. Maxima during day about 70° in the south and east of England, between 70° and 80° in most parts of France, above 80° in Italy, 90° at Lisbon, and 97° at Madrid.

Wind in morning fresh or strong from the Westward on some parts of our western coasts and over the south of Scandinavia, and fresh or strong from varying directions at some stations on the shores of the Mediterranean; light or moderate winds—mainly cyclonic—elsewhere. No change of importance taking place later.

Barometer in morning highest, 30·2 and above, over the south-west of France and the surrounding regions. Relatively low in a depression over the Gulf of Genoa, below 29·6 ins. in a disturbance over Scotland, and less than 29·3 ins. in another system off the extreme north-west of Norway. Last-mentioned system apparently travelling away quickly beyond our area, but little other change occurring. Pressure decreasing again by evening on the west coast of Ireland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟩⟩⟶ = a heavy gale; ⟩⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
August 11th, 9.55 a.m. to 12.27 p.m.	Brighton, 380 ft.	Temperature F.	63°	51°	[51°]					Three kites, 108 sq. ft.; 6,000 ft. wire. Max. height, 2,900 ft. Clear sky with light Fracto Cu. Scud at 1,380 ft. Extremely rapid temp. change in the first few hundred feet.
		Humidity	80%	95%	[95%]					
		Wind Velocity, m. per hr.	W by S, *20	W, 20	[W, 20]					
August 12th, 4.0 p.m. to 5.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	61°	59°	51°					One kite, 77 sq. ft. Max. height, 3,845 ft. Min. temp., 48° F.
		Humidity	89%	88%	100%					
		Wind Velocity, m. per hr.	W, —	W, 36	W, 39					
August 13th, 10.0 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	66°	60°	55°					One kite, 77 sq. ft.; 4,120 ft. wire. Max. height, 3,800 ft. Temp. 54° Clouds about 3,300 ft. Slight inversion, great increase of wind strength, and change to West about the cloud level.
		Humidity	80%	90%	95%					
		Wind Velocity, m. per hr.	SSW, 11	SW, 20	WSW, 33					
August 15th, 6.35 p.m. to 7.25 p.m.	Brighton, 380 ft.	Temperature F.	60°	56°						One kite, 77 sq. ft.; 1,600 ft. wire. Kite drawn in on account of rapidly increasing pull. Storm Cu. in South. TS on E. horizon.
		Humidity	70%	70%						
		Wind Velocity, m. per hr.	NW by W, *20	—, 38						
August 15th, 11.53 a.m. to 12.54 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	58°	51°	44°					One kite, 77 sq. ft. Max. wire, 3,920 ft; max. height, 3,300 ft. Cu. with scud below; lowest clouds observed 1,900 ft. Thunder to North 3.30 p.m.
		Humidity	87%	85%	88%					
		Wind Velocity, m. per hr.	SW by W, —	—	WSW, —					
August 15th, 10.24 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	65°	58°	49°					One kite, 54 sq. ft.; 4,660 ft. wire. Max. height, 3,700 ft. Wind very irregular, 35 to 50 m. per h.
		Humidity	75%	85%	100%					
		Wind Velocity, m. per hr.	WSW, 18	WSW, 35	WSW, 40					
August 16th. 10.9 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	63°	56°	47°					Two kites, 154 sq. ft.; 5,400 ft. wire. Max. height, 3,700 ft. Wind irregular, at times falling almost to dead calm. No change of temp. above 3,400 ft. Overcast. Slight rain in afternoon.
		Humidity	75%	85%	100%					
		Wind Velocity, m. per hr.	WNW, 11	WNW, 25	WNW, 30					
August 17th, 9.43 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	64°	60°	51°	[58°]				One kite, 77 sq. ft.; 7,500 ft. wire. Max. height, 4,500 ft. Inversion, 50° to 58° at 3,700 ft., humidity 100% to 40%. No change of wind force or direction. Clouds at 3,500 ft.
		Humidity	75%	85%	100%	[40%]				
		Wind Velocity, m. per hr.	W, 17	W by N, 30	W by N, 35	[W by N, 35]				
August 17th, 10.17 a.m. to 12.42 p.m.	Brighton, 380 ft.	Temperature F.	64°	52°	47°					Two kites, 80 sq. ft.; 5,000 ft. wire. Fracto Cu. at 3,200 ft. Scud, 900 ft. Wind backed suddenly at the scud level during descent.
		Humidty	70%	90%	100%					
		Wind Velocity, m per hr.	NW by W, *23	WNW, 30	—, 33					

* Estimated.

63, Victoria Street, London, S.W. *August 21st, 1907.* W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 34. THIRTY-FOURTH WEEK, ENDING SATURDAY, AUGUST 24TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was, upon the whole, drier than of late, but the sky was usually more or less cloudy, and the atmosphere continued cool. Rain was again more frequent in the north and north-west than elsewhere, but the actual falls were not, as a rule, at all heavy. A thunderstorm was experienced at Aberdeen on Sunday, at Fulbeck on Tuesday, and in London and at some other south-eastern stations on Monday and Tuesday.

Temperature was below the average, the deficit ranging from about 1° in Ireland S. to about 3° in most parts of Great Britain. The highest of the maxima were recorded on Sunday over the major portion of the Kingdom, and varied from 71° in Scotland N. and 70° in many parts of England to 65° in Ireland N. As a general rule the maxima were considerably below 70°, and at many north-western and northern stations they were often below 60°. The lowest of the minima, which were mostly registered about the middle of the week, were less than 40° in several districts, the lowest readings being 35° in England S.W. and 36° in Scotland N. and Ireland N. In England E. and Ireland S. the thermometer fell no lower than 43° and 44° respectively, while in the English Channel the minimum was 51°. The lowest readings reported on the grass were 29° at Llangammarch Wells, 31° at Markree, and 32° at Balmoral.

Mean Temperature of the Sea was rather lower than during the preceding week at most stations. The actual values ranged from 61°·9 at Eastbourne, 61°·4 at Newquay, and 61°·2 at Margate to 52°·0 at Wick and 50°·8 at Lerwick.

Rainfall exceeded the average in Scotland N., but in all other districts it was less, the divergence being considerable or large in most places.

Bright Sunshine was just equal to the average in England N.E. and slightly above it in Scotland W. and Ireland N.; elsewhere, however, it was deficient. The percentage of the possible duration ranged from 48 in the English Channel and 41 in England S.W. to 27 in England N.E. and to 20 in Scotland N.

Barometer and Wind.—After the earlier days of the week the southern and south-western parts of the Kingdom were generally under the influence of an anticyclone of varying intensity extending northwards from the Bay of Biscay and western France, while the northern districts were affected by large depressions moving eastwards. Local irregularities of pressure in connection with these latter systems passed from time to time over our more southern counties. The general direction of the wind was between South-West and West, but by the end of the period it veered temporarily to North-West or North. Fresh or strong breezes were not uncommon on exposed parts of the western and north-western coasts, but as a whole there was little force beyond a light or moderate breeze.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient
	Rainfall ...	Heavy	Moderate	Light	Light	Light	Light	Moderate	Light	Very light	Light	Light	Light
	Sunshine ...	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 12 weeks from June 2nd.	Warmth ...	**2***8	**1***9	**2***8	**2***7	**1***7	**0***8	**1***7	**1***7	**1***8	**2***6	**2***5	**2***7
	Rainfall ...	**6***2	**3***2	**3***4	**1***4	**5***3	**4***4	**5***2	**6***2	**6***3	**6***3	**4***3	**3***5
	Sunshine ...	**2***7	**1***7	**1***3	**0***5	**1***6	**2***5	**1***6	**1***6	**1***5	**2***3	**2***5	**2***7

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	**5***4	**5***3	**7***0	**7***3	**6***1	**5***5	**7***4	**6***2	**5***3	**4***4	**7***1	**6***3
	Rainfall ...	**3***7	**3***7	**2***6	**1***7	**1***7	**1***9	**4***5	**2***6	**3***7	**2***6	**3***5	**1***9
	Sunshine ...	**3***2	**4***3	**8***0	**9***1	**7***1	**7***1	**5***2	**6***1	**3***3	**4***3	**5***2	**6***2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	**7***0	**7***0	**6***0	**8***1	**6***1	**5***2	**7***0	**6***2	**5***0	**6***1	**6***1	**7***1
	Rainfall ...	**6***5	**7***3	**4***5	**5***5	**5***5	**6***3	**2***3	**5***5	**3***5	**2***4	**3***6	**3***4
	Sunshine ...	**6***2	**6***4	**7***4	**4***2	**5***5	**5***2	**5***3	**7***3	**6***2	**7***4	**4***4	**4***3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	**5***7	**5***6	**3***6	**2***5	**2***4	**2***5	**5***6	**2***5	**0***7	**4***4	**2***6	**1***7
	Rainfall ...	**4***2	**4***7	**2***6	**3***5	**2***7	**2***8	**3***5	**5***7	**2***5	**3***5	**1***8	**3***7
	Sunshine ...	**1***5	**9***0	**10***1	**4***2	**6***1	**5***1	**5***4	**6***1	**4***3	**3***4	**3***4	**2***4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3***5	**3***5	**5***5	**5***3	**4***3	**4***4	**4***4	**4***4	**4***3	**3***3	**5***3	**4***5
	Rainfall ...	**6***2	**5***4	**4***2	**5***4	**5***1	**5***2	**6***3	**5***1	**6***3	**8***2	**4***6	**5***2
	Sunshine ...	**2***2	**5***6	**5***3	**6***4	**3***4	**4***4	**2***5	**4***4	**3***5	**3***4	**4***4	**2***5

6385 370 Wy. & S. Ltd. 8—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (34th)—August 18th to 24th, 1907.

DISTRICTS. (See p. 267.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	71	36	57·2	45·7	51·1	− 2·8	64	− 20	0	0	6	+ 2	1·40	+0·45	21	− 6	20	− 6
Eastern																		
1. SCOTLAND, EAST	67	37	60·5	45·6	52·6	− 3·0	74	− 21	0	0	6	+ 2	0·47	−0·25	29	− 4	28	− 4
2. ENGLAND, N.E.	70	42	62·2	48·8	55·1	− 2·4	92	− 17	0	0	3	− 1	0·20	−0·42	32	− 0	32	0
3. ENGLAND, EAST	70	43	63·5	50·5	56·6	− 2·8	102	− 20	0	0	4	0	0·26	−0·33	27	− 15	27	−15
4. MIDLAND COUNTIES	70	38	62·4	48·5	55·1	− 3·3	92	− 23	0	0	3	0	0·27	−0·38	31	− 6	32	− 6
5. ENGLAND, SOUTH	70	42	63·8	51·4	57·3	− 3·3	107	− 23	0	0	4	0	0·28	−0·35	29	− 15	30	−15
Western																		
6. SCOTLAND, WEST	67	38	61·2	47·5	54·0	− 2·0	84	− 14	0	0	5	+ 1	0·86	−0·22	35	+ 2	35	+ 2
7. ENGLAND, N.W.	67	40	60·4	50·2	55·0	− 2·9	91	− 20	0	0	4	0	0·47	−0·42	33	− 1	33	− 1
8. ENGLAND, S.W...	68	35	62·4	50·6	56·2	− 2·7	99	− 20	0	0	3	− 1	0·16	−0·70	40	− 3	41	− 3
9. IRELAND, NORTH	65	36	59·9	48·8	54·0	− 2·5	84	− 18	0	0	5	0	0·62	−0·32	36	+ 7	36	+ 7
10. IRELAND, SOUTH	67	44	62·8	51·6	56·8	− 1·1	104	− 8	0	0	4	− 1	0·35	−0·63	33	− 1	33	− 1
11. ENGLISH CHANNEL	67	51	64·4	55·4	59·7	− 1·7	124	− 12	0	0	2	− 2	0·16	−0·49	47	− 3	48	− 3

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 12 Weeks, June 2nd to August 24th, 1907.

0. SCOTLAND, NORTH	86	33	*	*	*	*	811	−177	1	+ 1	62	+11	11·01	+2·20	310	− 65	22	− 5
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	901	−257	0	0	59	+15	8·25	+1·17	355†	− 93	26	− 7
2. ENGLAND, N.E...	76	35	*	*	*	*	1150	−145	0	0	48	+ 9	5·68	−0·66	428	− 24	32	− 2
3. ENGLAND, EAST	78	37	*	*	*	*	1294	−160	0	0	41	+ 4	4·61	−1·63	466	− 88	35	− 7
4. MIDLAND COUNTIES.. ..	82	37	*	*	*	*	1189	−221	0	0	52	+15	7·56	+1·15	434	− 64	33	− 5
5. ENGLAND, SOUTH	81	37	*	*	*	*	1298	−231	0	0	43	+ 8	5·05	−0·79	505	− 68	39	− 5
Western																		
6. SCOTLAND, WEST	85	36	*	*	*	*	1068	−138	0	0	58	+12	12·36	+2·30	394	− 83	29	− 6
7. ENGLAND, N.W...	81	37	*	*	*	*	1141	−197	0	0	61	+19	10·89	+2·86	406	− 87	30	− 6
8. ENGLAND, SW	82	34	*	*	*	*	1201	−213	0	0	56	+15	9·40	+1·72	477	− 97	36	− 7
9. IRELAND, NORTH	81	36	*	*	*	*	1067	−164	0	0	65	+13	10·86	+1·91	384	− 19	28	− 2
10. IRELAND, SOUTH	85	37	*	*	*	*	1253	−108	0	0	60	+15	9·24	+0·47	419	− 35	32	− 3
11. ENGLISH CHANNEL	78	44	*	*	*	*	1399	−137	0	0	43	+ 2	4·38	−1·72	575	− 92	45	− 7

THE YEAR.—Aggregates, &c., for the period of 34 Weeks, December 30th, 1906, to August 24th, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	1214	−204	522	− 21	174	+19	34·23	+6·31	813	− 70	25	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1365	−327	599	+ 11	139	+11	18·78	+0·99	948†	− 64	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1744	−103	501	+ 26	126	+10	14·48	−0·34	1085	+ 87	34	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	1953	−192	518	− 3	118	+ 6	13·31	−1·35	1150	− 39	37	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1874	−255	540	+ 7	126	+15	16·71	+0·62	1025	− 40	33	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	2014	−282	434	+ 53	113	+ 7	14·24	−1·21	1196	− 8	38	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1636	−158	404	− 6	148	+13	31·97	+3·88	944	−106	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1737	−225	418	+ 32	147	+24	22·74	+2·43	1009	− 60	32	− 2
8. ENGLAND, S.W...	82	5	*	*	*	*	1866	−313	396	+ 95	143	+22	22·84	+1·05	1120	−127	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1655	−236	292	− 53	167	+20	27·04	+4·11	913	− 51	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2025	−155	256	− 3	158	+27	21·63	−2·68	1010	− 66	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	2245	−210	96	− 13	122	− 6	14·72	−3·30	1286	−145	41	− 5

† The corresponding value for last week has been slightly altered owing to the receipt of further information.

August 18-24, 1907. Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	56	42	53·6	45·6	49·4	− 3·1	52	0	7	1·29	+ 0·56	12·6	− 13·9	12	− 13
	Stornoway	61	43	56·4	47·6	51·7	− 2·2	68	0	6	0·98	+ 0·09	23·3	− 6·4	23	− 6
0. SCOTLAND, N. — Mainland.	Wick	63	40	58·7	44·6	51·2	− 3·0	64	0	7	1·39	+ 0·76	*	*	*	*
	†Lairg (Strathpeffer)	71	37	61·3	44·9	52·6	− 1·4	74	0	7	0·86	+ 0·18	25·0	− 2·2	24	− 2
	Glencarron	57	39	55·0	45·0	49·7	− 4·2	54	0	7	2·41	+ 0·71	*	*	*	*
	Fort Augustus	61	36	58·5	45·9	51·8	− 4·1	69	0	5	0·79	− 0·03	20·9	+ 0·6	21	+ 1
	Fort William (West Linton)	61	38	57·1	46·5	51·5	− 4·9	67	0	6	2·08	+ 0·68	*	*	*	*
													28·5	—	28	—
1. SCOTLAND, E.	Nairn	67	39	60·3	46·3	52·9	− 2·9	76	0	7	0·70	+ 0·11	24·9	—	24	—
	Aberdeen	66	40	59·7	47·4	53·2	− 2·5	78	0	6	0·65	− 0·04	25·9	− 7·7	25	− 8
	†Balmoral (Crathes)	64	37	60·7	39·4	49·4	− 3·3	63	7	6	0·43	− 0·42	27·4	—	27	—
	†Crieff (Balruddery)	65	41	61·1	46·7	53·5	− 2·9	81	0	3	0·25	− 0·65	30·1	—	30	—
	†Leith (Edinburgh)	66	45	61·4	49·3	55·0	− 2·7	91	0	7	0·55	− 0·08	31·7	− 0·5	31	− 1
	Marchmont (Saltburn)	65	40	59·7	44·7	51·8	− 3·4	69	0	4	0·26	− 0·56	32·5	− 0·1	32	0
													28·0	—	28	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	68	43	62·2	47·5	54·4	− 1·9	87	0	3	0·07	− 0·64	30·2	—	30	—
	†Shields (Newcastle)	68	43	60·7	48·0	54·0	− 2·9	84	0	4	0·31	− 0·31	28·0	− 0·7	28	− 1
	Durham	66	42	60·9	46·0	53·0	− 4·2	77	0	4	0·35	− 0·25	27·6	− 5·1	27	− 5
	Scarborough	70	45	63·3	49·1	55·8	− 2·1	97	0	3	0·22	− 0·41	35·8	—	36	—
	York	67	45	63·1	49·4	55·8	− 2·6	97	0	3	0·29	− 0·28	25·9	− 7·1	26	− 7
2. ENGLAND, N.E. — Southern part.	Spurn Head	66	50	61·3	52·6	56·7	− 2·5	103	0	1	0·08	− 0·34	*	*	*	*
	†Lincoln (Skegness)	69	44	63·7	48·5	55·6	− 3·8	95	0	2	0·13	− 0·44	37·7	—	38	—
	†Fulbeck (Rauceby)	69	45	62·7	49·1	55·5	− 4·1	95	0	3	0·16	− 0·42	34·8	—	35	—
3. ENGLAND, E. — Northern part.	Hillington															
	†Yarmouth (Lowestoft)	66	46	62·3	50·6	56·1	− 3·6	99	0	4	0·10	− 0·45	35·7	—	36	—
	Geldeston (Cromer)	67	43	63·3	47·5	54·9	− 4·6	90	0	4	0·40	− 0·08	28·5	− 13·8	29	− 14
													34·3	—	35	—
3. ENGLAND, E — Southern part.	Cambridge	69	45	63·7	50·0	56·4	− 3·8	101	0	3	0·35	− 0·19	24·3	− 17·1	25	− 17
	Felixstowe	69	47	63·7	51·6	57·3	− 3·9	107	0	4	0·28	—	23·4	—	24	—
	Clacton-on-Sea	69	46	64·0	51·3	57·3	− 4·1	107	0	3	0·26	—	21·7	—	22	—
	Rothamsted	67	45	62·2	49·4	55·4	− 3·5	94	0	4	0·25	− 0·32	27·9	− 13·5	28	− 14
	†Shoeburyness (Southend)	69	47	64·6	52·1	58·0	− 4·0	112	0	5	0·16	− 0·25	22·5	—	23	—
	London, Westminster (Dunmow)	70	46	64·3	51·6	57·6	− 3·7	109	0	4	0·27	− 0·27	23·5	− 13·2	24	− 13
													20·5	—	21	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	64	43	59·7	46·7	52·8	− 4·0	76	0	3	0·44	− 0·20	28·9	—	29	—
	†Bawtry (Worksop)	68	45	63·9	49·3	56·2	− 2·2	99	0	4	0·40	− 0·15	21·9	− 10·5	22	− 11
	Nottingham	69	45	63·0	49·3	55·7	− 3·3	96	0	2	0·18	− 0·39	32·4	—	33	—
	Birmingham, Edgbaston	68	45	61·3	49·3	54·9	− 3·6	90	0	3	0·29	− 0·36	28·5	—	29	—
	Oxford	69	45	63·6	50·3	56·6	− 3·2	102	0	4	0·26	− 0·28	31·6	− 8·9	32	− 9
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	66	44	59·0	47·3	52·8	− 4·0	76	0	4	0·44	− 0·35	37·5	—	38	—
	Shrewsbury	68	38	62·6	48·2	55·0	− 4·0	91	0	3	0·17	—	*	*	*	*
	Hereford	70	40	64·5	48·5	56·0	− 3·1	98	0	3	0·12	− 0·46	*	*	*	*
	Cirencester	66	39	62·6	46·1	53·9	− 3·8	83	0	2	0·07	− 0·63	29·1	− 10·7	29	− 11
	Bath (Margate)	66	44	63·7	50·3	56·6	− 2·2	102	0	4	0·29	− 0·37	40·0	—	40	—
													20·8	− 20·8	21	− 21
5. ENGLAND, S.	Kew	70	46	63·4	51·6	57·2	− 3·2	106	0	4	0·28	− 0·25	26·7	− 14·5	27	− 15
	Wisley, Surrey	68	45	63·9	50·4	56·8	− 4·8	104	0	4	0·26	—	29·3	—	30	—
	†Swarraton (Ventnor)	68	42	63·1	48·4	55·3	− 3·0	93	0	4	0·14	− 0·52	39·4	− 6·7	40	− 7
	Tunbridge Wells	65	45	62·9	49·8	56·0	− 3·6	98	0	4	0·35	− 0·19	28·0	− 15·0	29	− 15
	†Dungeness (Littlestone)	66	43	64·4	52·3	58·0	− 3·1	112	0	4	0·64	+ 0·18	21·7	—	22	—
	Hastings	65	46	63·4	52·0	57·4	− 3·6	108	0	4	0·27	− 0·30	26·7	− 19·8	27	− 20
	Southampton	68	46	66·6	51·4	58·5	− 2·7	116	0	3	0·18	− 0·44	36·9	− 8·6	38	− 9
	†Portland Bill (Worthing) (Eastbourne)	64	50	62·9	55·4	58·9	− 2·5	118	0	1	0·09	—	37·0	—	38	—
													31·8	− 13·3	32	− 14
6. SCOTLAND, W.	Laudale	61	40	58·1	47·9	52·7	− 3·6	75	0	6	2·53	+ 1·12	*	*	*	*
	Glasgow	62	46	58·6	48·8	53·4	− 2·6	80	0	5	0·41	− 0·52	25·2	− 3·8	25	− 4
	Dumfries	67	40	63·6	47·5	55·1	− 2·7	92	0	4	0·35	− 0·53	*	*	*	*
	Cally	67	38	66·0	45·6	55·2	− 0·8	92	0	6	0·67	− 0·39	*	*	*	*
	Douglas, Isle of Man	62	43	59·8	47·9	53·5	− 3·2	81	0	4	0·32	− 0·61	45·1	+ 6·7	45	+ 7
7. ENGLAND, N.W.	Aspatria	64	43	60·6	49·0	54·5	− 2·3	88	0	4	0·25	− 0·73	30·7	—	30	—
	Newton Rigg	63	40	60·3	47·0	53·3	− 2·4	79	0	3	0·40	− 0·40	36·0	+ 3·5	37	+ 3
	Stonyhurst	62	44	58·0	48·7	53·1	− 5·0	78	0	6	0·99	− 0·20	32·5	− 0·9	33	− 1
	Blackpool	64	45	59·6	51·4	55·3	− 3·1	93	0	4	0·28	− 0·53	38·9	+ 3·2	39	+ 3
	Manchester, Prestwich	65	45	60·5	48·6	54·2	− 3·5	85	0	6	0·82	− 0·06	27·2	− 2·8	27	− 3
	†Liverpool Obs. (Hoylake)	64	47	59·4	51·7	55·3	− 3·7	93	0	4	0·48	− 0·22	31·0	—	31	—
	†Hawarden Bridge (Southport)	67	48	62·3	52·1	56·9	− 2·4	104	0	4	0·21	− 0·46	35·1	− 2·5	35	− 3
NORTH WALES	Llandudno	65	49	61·9	53·6	57·5	− 2·1	109	0	3	0·43	− 0·24	34·1	− 2·5	34	− 3
	†Holyhead (Aberdovey)	63	48	60·4	51·7	55·8	− 2·8	97	0	3	0·32	− 0·42	33·8	—	34	—
	Bettws-y-Coed (Aberystwyth)	65	44	61·4	48·4	54·5	− 4·2	88	0	3	0·48	—	28·2	—	29	—
SOUTH WALES	Llangammarch Wells	66	35	60·1	47·0	53·2	− 4·1	78	0	3	0·36	—	34·6	—	35	—
	Pembroke	60	50	59·6	52·9	56·1	− 2·8	99	0	2	0·06	− 0·64	39·7	− 2·7	40	− 3
	Cardiff	66	40	63·1	48·9	55·6	− 4·1	95	0	4	0·18	− 0·85	40·5	—	41	—
8. ENGLAND, S.W.	Clifton	65	49	63·3	53·5	58·1	− 2·3	113	0	3	0·18	− 0·62	41·7	—	42	—
	†Shaftesbury (Marlborough)	64	45	61·9	49·1	55·1	− 3·3	92	0	2	0·15	− 0·51	17·5	− 21·6	18	− 22
	†Arlington (Newquay)	63	45	60·7	50·3	55·2	− 2·6	92	0	4	0·35	− 0·78	42·6	− 2·9	44	− 3
	Cullompton	68	41	65·6	48·8	56·7	− 2·7	103	0	4	0·08	− 0·59	39·3	− 1·3	40	− 1
	Plymouth	65	43	63·8	51·4	57·2	− 3·2	106	0	1	0·03	− 0·64	44·2	+ 0·5	45	+ 1
	Falmouth (Torquay)	66	50	63·2	53·8	58·2	− 1·5	113	0	1	0·03	− 0·76	39·3	− 7·7	40	− 8
													44·2	− 1·8	45	− 2
9. IRELAND, N. — Western part.	Malin Head	60	48	57·1	50·4	53·6	− 3·5	81	0	7	0·42	− 0·36	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	60	50	59·0	52·4	55·5	− 2·1	95	0	6	0·97	− 0·13	*	*	*	*
	Markree Castle	65	36	60·7	46·0	52·9	− 3·2	76	0	4	0·90	− 0·07	36·2	+ 7·7	36	+ 8
9. IRELAND, N. — Eastern part.	Armagh	64	40	61·9	46·1	53·5	− 3·1	81	0	5	0·57	− 0·23	36·1	+ 7·2	36	+ 7
	Donaghadee	65	43	60·6	49·0	54·5	− 2·3	88	0	4	0·22	− 0·55	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	66	46	62·9	50·9	56·5	− 2·4	102	0	3	0·26	− 0·46	35·9	− 0·4	36	0
	Kilkenny	66	45	63·7	49·1	56·9	− 2·1	98	0	3	0·17	− 0·64	*	*	*	*
	Waterford	64	44	63·1	50·1	56·2	− 2·1	99	0	2	0·04	− 0·84	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	66	47	62·4	50·9	56·3	− 1·2	100	0	3	0·28	− 0·59	28·1	− 3·9	28	− 4
	Foynes	63	50	61·4	52·2	56·5	− 1·4	102	0	6	0·61	− 0·28	*	*	*	*
	Killarney	67	47	65·2	52·5	58·5	− 0·2	116	0	5	0·47	− 0·58	*	*	*	*
	Valencia	62	53	61·3	54·9	57·9	− 0·9	111	0	6	0·81	− 0·34	32·8	− 1·1	33	− 1
	†Roches Point (Ballinacurra)	63	46	62·0	52·0	56·7	− 2·3	103	0	4	0·16	− 0·79	34·1	—	35	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	65	56	63·1	56·1	59·4	− 1·1	122	0	4	0·09	− 0·51	35·2	− 15·2	36	− 16
	†Jersey, St. Aubins (St. Heliers)	67	51	65·3	55·1	59·9	− 2·7	125	0	1	0·16	− 0·43	50·0	− 3·3	51	− 3
	Guernsey	66	52	64·9	55·0	59·7	− 1·6	124	0	1	0·22	− 0·40	56·3	+ 3·1	57	+ 3

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 29·5 hrs., 30 %; Brighton, 31·9 hrs. (−15·6), 33 % (− 16 %); Bournemouth, 41·5 hrs., 42 %; Bognor, 38·1 hrs., 39 %; Rhyl, 34·0 hrs., 34 %; Tenby, 45·9 hrs. (+ 2·9), 46 % (+ 3 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·4
	Crathes	0	34	54·9	54·0
	Balmoral	0	32	—	—
	Marchmont ..	0	38	55·0	—
2.	Cockle Park	0	38	54·2	53·7
	York	—	—	58·1	56·0
	Hull	0	36	57·9	56·0
	Lincoln	—	—	58·5	57·0
3.	Lowestoft	—	—	59·4	58·7
	Cambridge	0	41	59·6	59·1
	Dunmow	0	39	—	—
	Clacton-on-Sea ..	0	39	59·0	59·3
4.	Harrogate	0	39	54·9	54·6
	Sheffield	0	38	57·1	55·2
	— — ..				
	Birmingham	0	37	54·0	53·0
	Nottingham	0	39	57·1	57·8
	— — ..				
5.	Kew	0	35	59·6	58·3
	Canterbury	—	—	—	—
	Portsmouth	0	41	60·9	60·1
	Wisley	0	39	59·7	58·9
6.	Glasgow	0	36	—	—
	Dumfries	0	37	—	—
	Douglas	0	38	—	—
7.	Newton Rigg ..	0	37	57·2	55·1
	Southport	0	40	60·9	60·5
	Manchester City ..	—	—	—	—
	Bettws-y-Coed ..	0	43	55·9	54·0
	— — ..				
8.	Llangammarch Wells	1	29	58·0	55·0
	Bath	—	—	61·6	60·8
	Plymouth	0	40	60·2	—
	— — ..				
9.	Armagh	0	34	59·0	57·4
	Markree Castle ..	0	31	—	—
10.	Dublin, Trin. Coll. ..	0	37	58·4	57·2
11.	Guernsey, Brooklyn	—	—	—	—

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	50	50·8
	Kirkwall	55	52	53·5
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	55	54	54·7
	Pennan Bay	56	53	54·4
	Aberdeen, Cove Bay ..	55	55	55·0
ENGLAND, N.E.	Burnmouth, Berwick ..	55	52	54·3
	Scarborough	63	53	57·4
ENGLAND, E.	Shipwash Lightship ..	64	60	60·8
	Margate	63	60	61·2
ENGLAND, S.E.	Eastbourne‡	63	60	61·9
SCOTLAND, W.	Lamlash	56	53	54·5
	Ballantrae	55	52	53·3
ENGLAND, N.W.	Port Erin	57	55	56·0
ENGLAND, S.W.	Newquay	62	60	61·4
	Plymouth‡	60	58	58·7
	Salcombe	59	57	57·6
IRELAND, N.W.	Sheephaven	59	58	58·5
	Ballyglass	60	57	58·2
IRELAND, S.W.	Cleggan	60	57	58·5
	Seafield	62	57	59·8
IRELAND, E.	Kingstown‡	59	54	57·3

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR JULY, 1907.

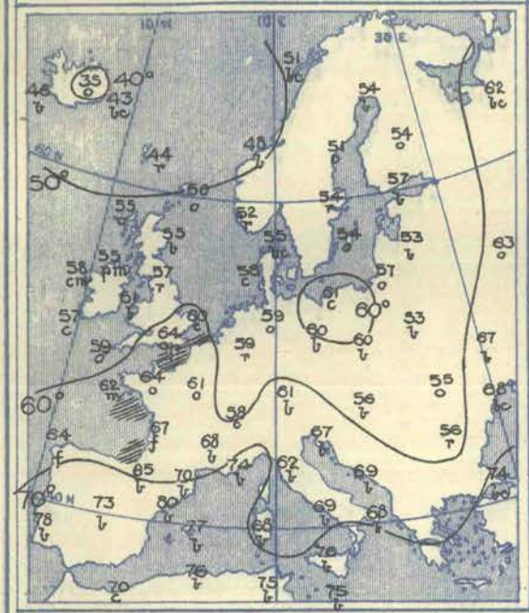
NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
	———	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																
No. 28, p. 219	Hoylake	—	—	—	—	—	—	—	—	—	—	—	52·5	—	46	—
No. 31, p. 243	Cheadle	68	44	62·7	48·4	55·1	−2·8	92	0	5	0·93	+0·18	—	—	—	—
Station Values.—Corrections.																
No. 28, p. 219	Plymouth	68	—	60·6	—	54·6	−6·5	88	—	—	—	—	—	—	—	—
No. 29, p. 227	Cambridge	—	—	—	—	—	—	—	—	0	0·00	−0·56	—	—	—	—
No. 29, p. 227	Dumfries	—	—	—	57·7	67·5	+8·4	179	—	—	—	—	—	—	—	—
No. 29, p. 227	Kilkenny	—	—	—	58·1	67·2	+8·1	176	—	—	—	—	—	—	—	—
No. 29, p. 227	Waterford	—	—	—	56·4	66·1	+6·4	169	—	—	—	—	—	—	—	—
No. 30, p. 235	Portland Bill	64	—	61·3	—	58·8	−3·2	118	—	—	—	—	—	—	—	—
No. 30, p. 235	Worthing	—	—	—	—	—	—	—	—	—	—	—	43·2	—	40	—

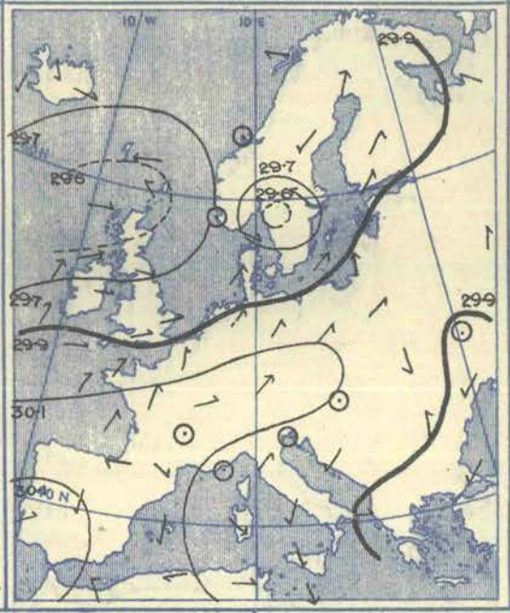
		Temp. on the Grass and in the Ground. Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values :—Additions.					
No. 29, p. 228	Portsmouth	0	46	—	—
No. 31, p. 244	Manchester, City ..	0	41	60·0	56·7
No. 31, p. 244	Bath	—	—	63·1	61·0

Sunday, 18th August, 1907.

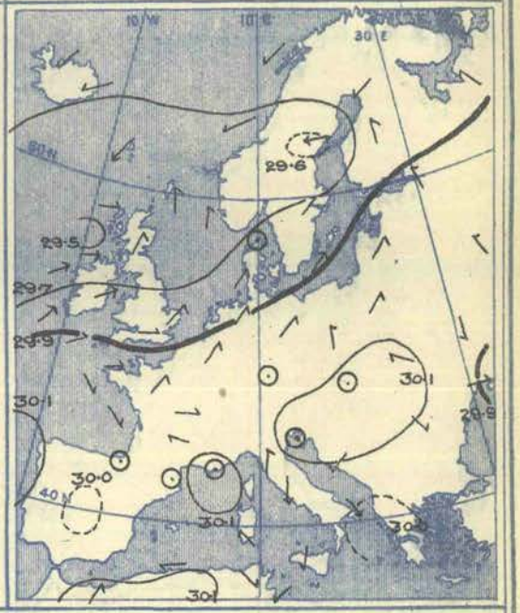
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast, with rain in places, over the United Kingdom and its immediate neighbourhood, and also over the south of Scandinavia; fine and bright in nearly all other regions, but fog prevailing at Corunna. A thunderstorm later at Aberdeen and rain at most of our own stations, as well as on the shores of the Baltic and Gulf of Bothnia, in central Russia, and at Aix-la-Chapelle. More than an inch at Swinemünde and rather heavy falls in Caithness.

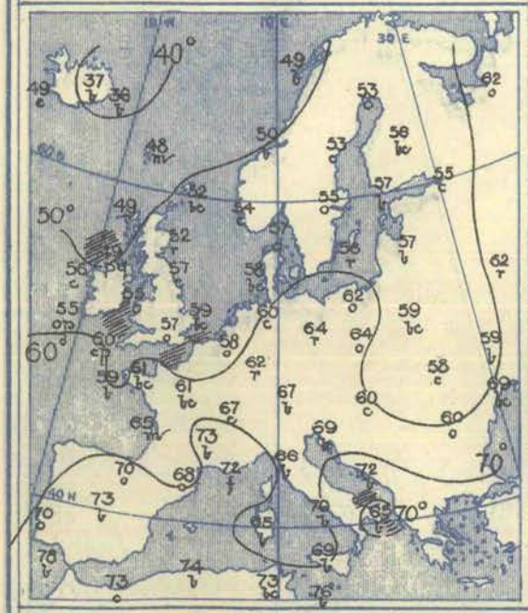
Temperature risen somewhat in most localities, fallen in Sweden. Readings in morning ranging from nearly 80° at some southern stations to about 60° over a large portion of England, to 49° in the north of Finland, and to 35° at Grimstadir. Rising during day to 102° at Madrid, 100° at Nemours, to about 90° at several other places in the far south, and to about 70° in Germany and the south and east of England. Thermometer only rising to 60° at several of our northern and north-western stations.

Wind in morning South-Westerly to Westerly over our Islands, South-Westerly over France and central Europe, Easterly at Thorshavn and North-Easterly or Northerly in Iceland. A separate cyclonic circulation prevailing over southern Scandinavia. Veering somewhat later and increasing in force over our Islands; becoming high at Malin Head. Little other change.

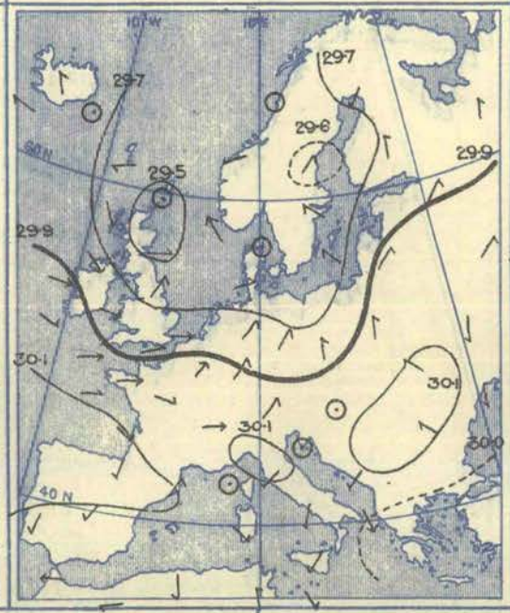
Barometer in morning above 30·1 ins. in an area extending from Spain to central Europe; below 29·6 ins. in a small minimum over the south of Sweden and in a larger system over, and to the northward of, Scotland. Scottish depression remaining almost stationary during day, but that over Scandinavia moving northwards to a position near Hernösand. A fall of the mercury over France bringing about some modification in the disposition of the highest pressure system.

Monday, 19th August, 1907.

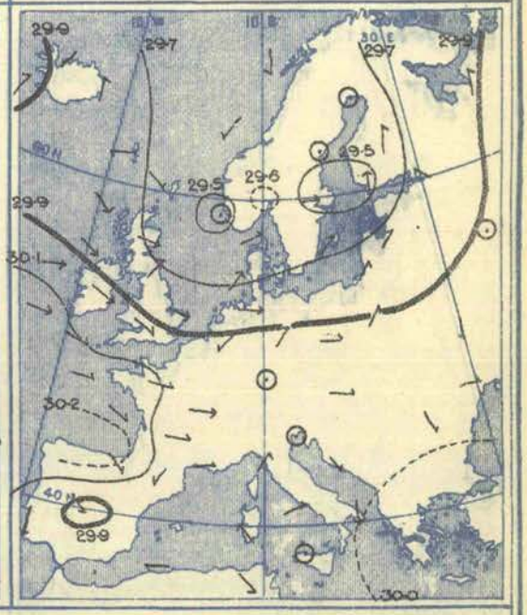
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in nearly all parts of northern and north-western Europe, with rain in places over a very wide area. Fine and bright further south. Brief thunderstorms later in the south-east of England, and rain falling in most parts of this country, Germany, Denmark, Russia, and Scandinavia. A thunderstorm occurring at Lyons.

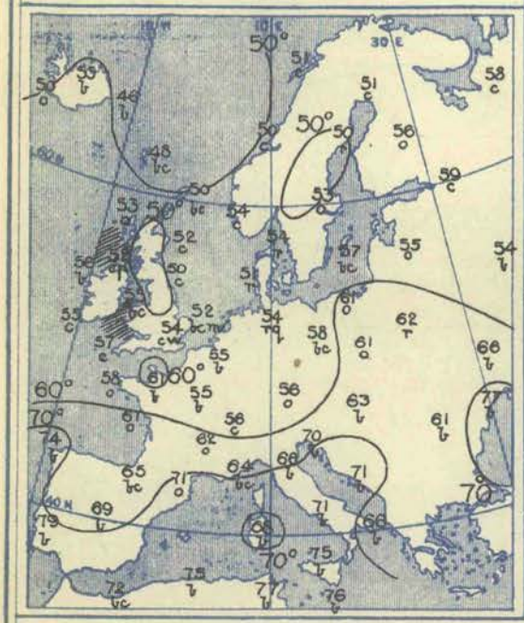
Temperature fallen in these Islands, the north of France, and in Portugal, risen in most other regions. Readings in morning ranging from 78° at San Fernando, 76° at Malta, and above 70° in many other southern localities, to between 60° and 65° over a large part of the mainland of Europe and to about 50° in northern Norway. Thermometer below 40° at Grimstadir and Seydisfjord. Rising during day to 102° at Madrid, 99° at Aumale, about 90° at some other stations in the far south, and to above 80° in the central countries. Maxima not much above 60° at any of our own stations.

Wind in morning fresh to strong from the North-Westward on our western and north-western coasts, moderate from the Westward over England and the north of France, and moderate from the Southward over the Baltic region. Light anticyclonic airs prevailing over central and southern Europe. No change of a general character during day.

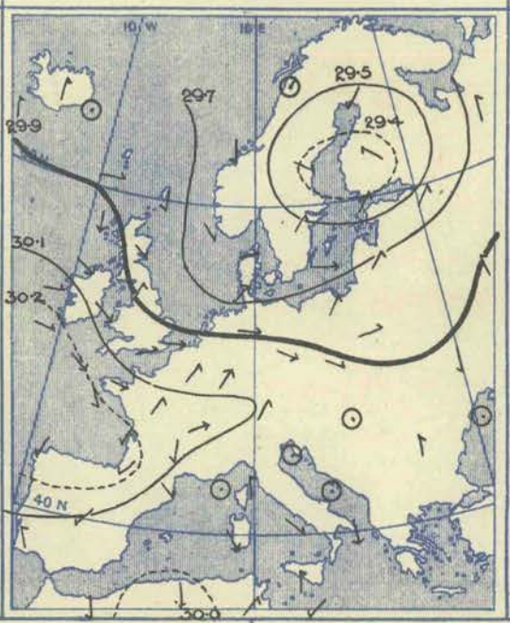
Barometer in morning 30·0 ins. to above 30·1 ins. in nearly all parts of our area south of latitude 50°; below 29·5 ins. in a depression over Sweden, and below 29·4 ins. in another system having its minimum near Shetland. Latter disturbance travelling eastwards during day, and barometer rising steadily over the whole of these Islands. A well-marked minimum appearing over central Spain by evening.

Tuesday, 20th August, 1907.

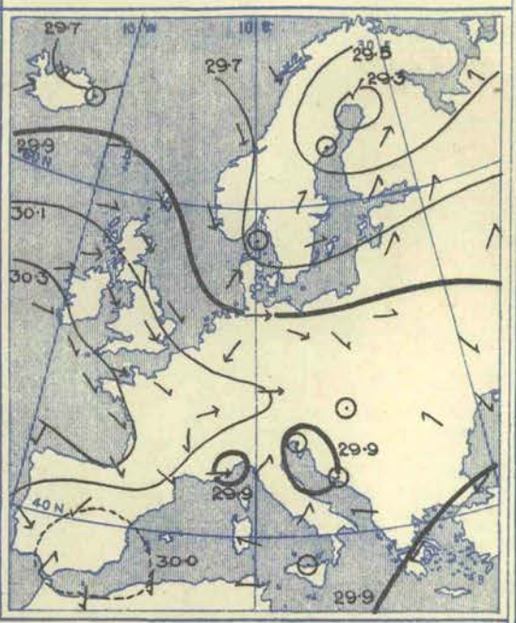
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with much cloud, and rain or passing showers in places over these Islands and northern and north-western Europe generally; fine over the south of our area. Showers experienced during day in many parts of this country, with thunderstorms and sharp squalls in the extreme south-east. More or less rain falling in other northern localities.

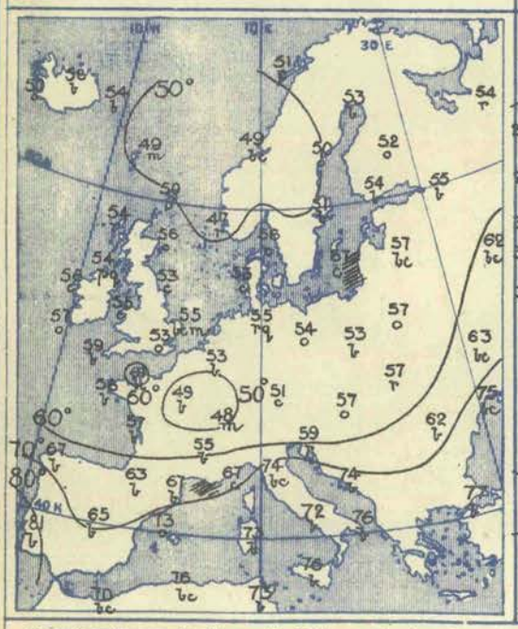
Temperature fallen except in the far south of our area and over Hungary and southern Russia. Readings in morning no higher than 50° over a considerable portion of these Islands and not much above that point in central France. Still above 70° over the Mediterranean region and as high as 79° at Lisbon and Aumale. Maxima during day about 60° over the United Kingdom, above 70° over France, above 80° in nearly all parts of southern Europe, 95° at San Fernando, 97° at Lisbon, and 102° at Madrid and Aumale.

Wind in morning mainly cyclonic except in the south-west and south-east. North-Westerly to Westerly current blowing freshly or strongly on our own western coasts, and a South-Westerly gale prevailing on the coast of Jutland. North-Westerly wind extending to our east and south-east coasts by evening. Very strong squalls from the North West experienced during day in London and some other parts of south-eastern England, gale force attained both in the metropolis and at Dover.

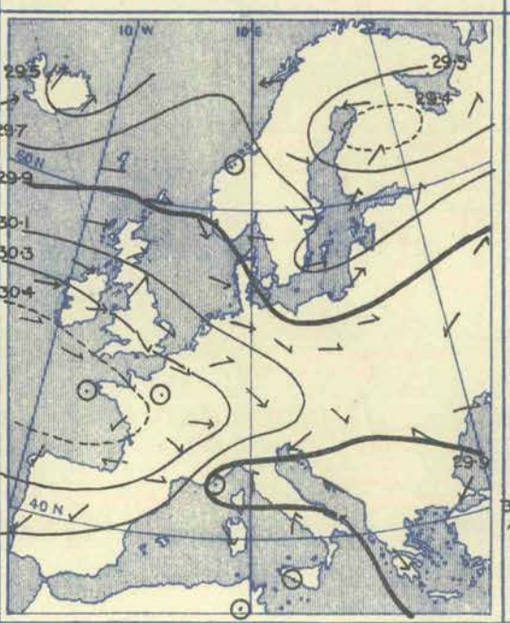
Barometer in morning above 30·2 ins. in an anticyclone extending from the Bay of Biscay to our south-west coasts; below 29·4 ins. in a depression of considerable size having its centre over the Gulf of Bothnia. Some small irregularities of pressure existing over these Islands and the North Sea. Anticyclone continuing to spread in a north-easterly direction during day, and northern depression travelling north-eastwards. Gradients becoming less steep by evening over our Islands.

Wednesday, 21st August, 1907.

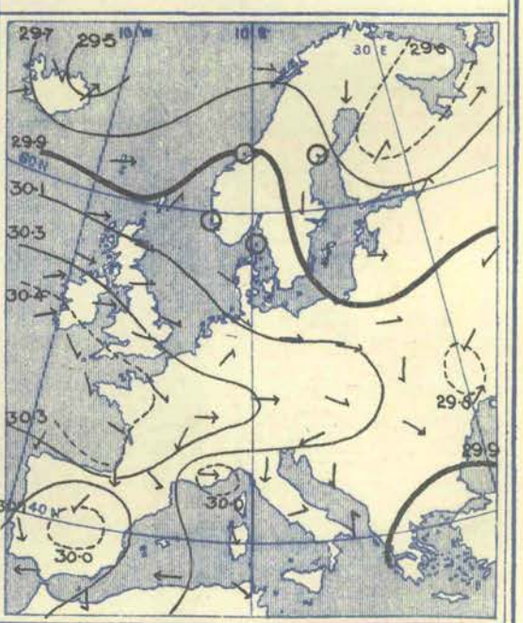
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and southern Europe; cloudy over the United Kingdom, with rain in the extreme north-west, and overcast and rainy in the south-west of Norway and at many stations in central Europe. Considerable quantities of rain experienced in Austria, some German localities, and at Moscow, and smaller amounts in Ireland and Scotland.

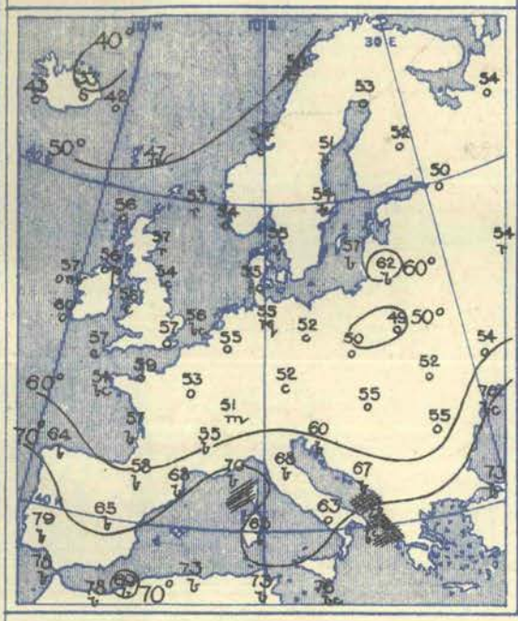
Temperature risen slightly at most of our own stations, fallen over the major portion of the Continent. Readings in morning below 50° in several parts of France and not much above it over the central countries and in various parts of these Islands. Above 70° very generally over the Mediterranean region and as high as 81° at Patras and Lisbon. Rising later to 99° at San Fernando, 97° at Lisbon, above 90° in some other southern localities; maxima below 65° in Germany and the adjacent portion of Austria, and not much above 60° over the United Kingdom.

Wind in morning moderate to fresh from the North-Westward over these Islands, strong or high from the same quarter beyond the North Sea, and fresh to strong from the South-Westward in Iceland. Cyclonic circulations prevailing over Italy and Finland. Veering to the Northward later in Iceland and backing to West over our Islands; little change occurring on the Continent.

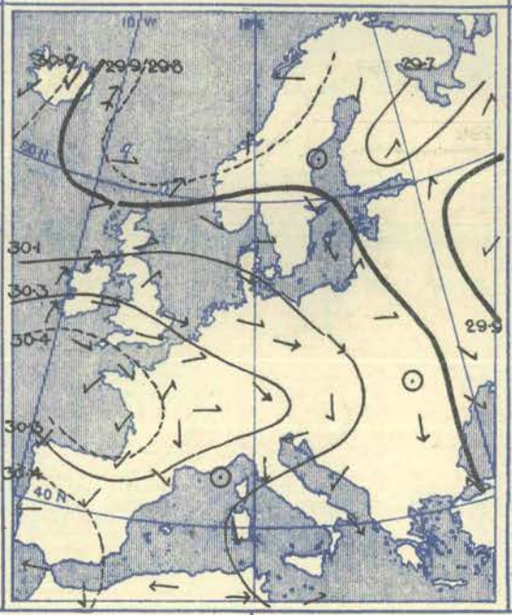
Barometer in morning ranging from above 30·4 ins. in an anticyclone situated over the region of the Bay of Biscay and off our south-west coasts, to less than 29·5 ins. over the north-east of Iceland, and to below 29·4 ins. in a well-formed depression over Finland. Relatively low in an irregularly shaped disturbance extending from Turkey to the Riviera. Anticyclone extending slowly northwards and eastwards during day. No important change taking place in the general distribution.

Thursday, 22nd August, 1907.

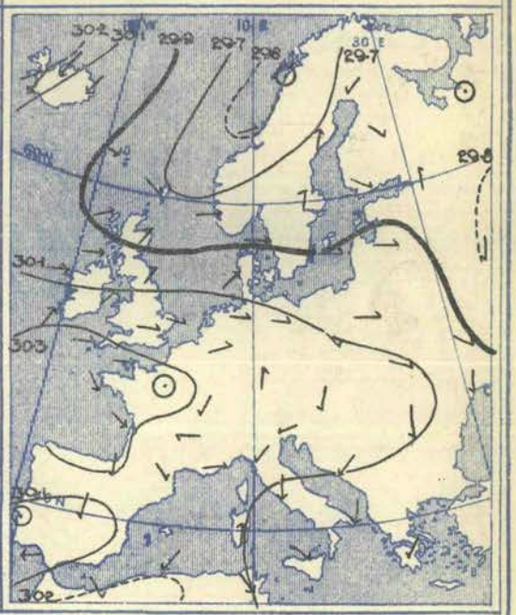
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our Islands and their immediate vicinity, with rain in Scotland and the north of Ireland; overcast, with rain or snow in Iceland, and dull, with rain in places over the central regions of Europe, and also in Russia. Fine and bright in almost all localities in the south. Rain, generally in slight amounts, falling later over these Islands and in various parts of Germany and Russia, and larger quantities in Austria and Scandinavia.

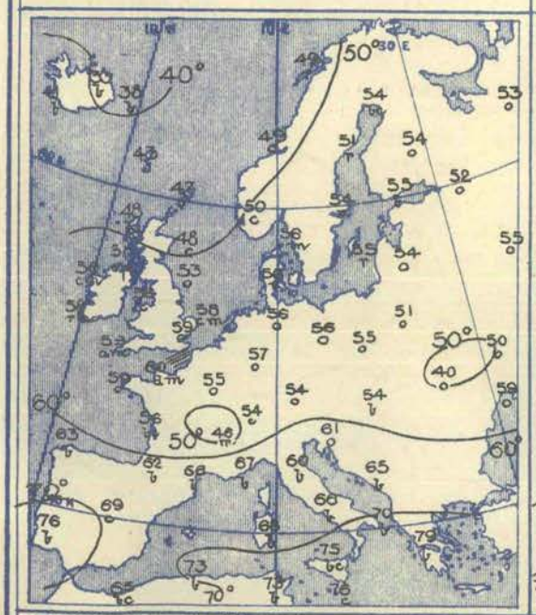
Temperature risen over the United Kingdom, France, and the west of Norway, fallen elsewhere. Readings in morning ranging from 79° at Lisbon, 78° at Barcelona, and 76° at Malta to less than 55° at nearly all stations on the European mainland and in some parts of these Islands, and to 33° at Grimstadir. Maxima during day only a little above 60° over this country, Germany, and Austria-Hungary, but above 80° very generally over the Mediterranean region, and above 90° in places.

Wind in morning showing an anticyclonic movement around the Bay of Biscay. Generally cyclonic elsewhere; moderate to fresh from the South-Westward in Ireland and western Scotland, and light or moderate from West over England; moderate to fresh from the Northward in Iceland and also in Italy. Veering towards West later along our western seaboard, but little change as a whole.

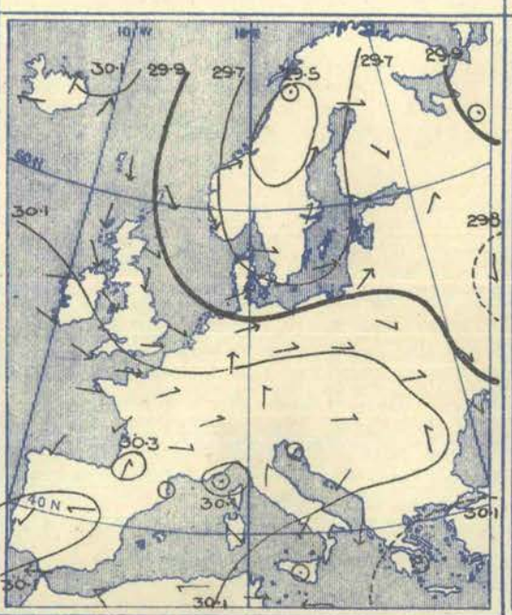
Barometer in morning above 30·4 ins over the Bay of Biscay, the west of France, and the south-west of England. Below 29·8 ins. in a large depression between Iceland and Norway, and less than 29·7 ins. in a disturbance over Finland. Barometer rising again in Iceland, falling over these Islands. Anticyclonic system giving way somewhat during day and barometer also falling throughout the United Kingdom. Northern depression travelling eastwards and pressure recovering in Iceland.

Friday, 23rd August, 1907.

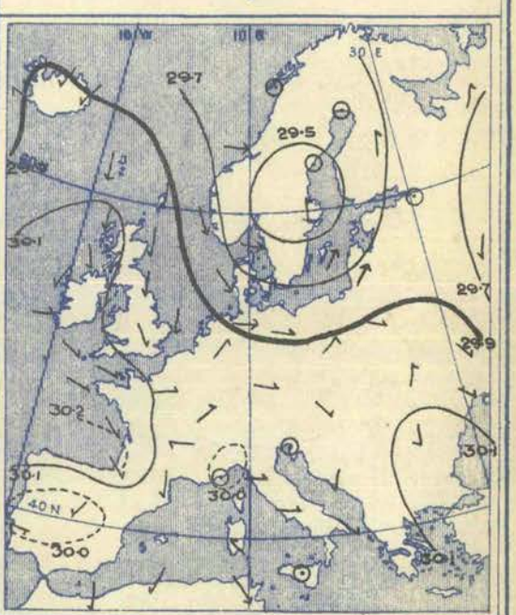
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over Scandinavia and the region of the Baltic, and cloudy or overcast at most of our own stations, with rain or passing showers in some western and south-western localities. Fine and bright in most other parts of our area, but dull in many Russian districts, with rain at Nicolaieff. Rain falling later in many parts of Scandinavia, Germany, and Russia, as well as at many places in the north and west of these Islands and at Madrid.

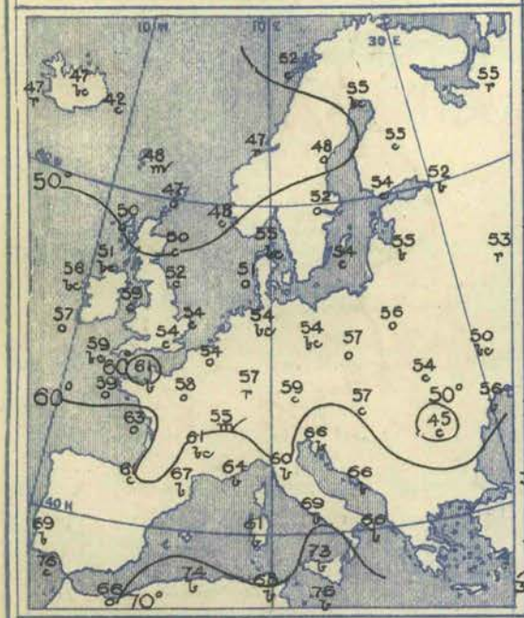
Temperature fallen in Scotland and in many parts of southern Europe, risen or changed irregularly elsewhere. Morning readings still very low over the central countries, the east of France, and in Scotland; below 50° at Lyons, Hermanstadt, and Lemberg, and also at many of our own northern stations and in northern Scandinavia. As high as 80° at Barcelona and above 70° over a large portion of southern Europe. Rising to 91° at San Fernando during day, to 90° at Cape Béarn, and to about 80° in the south generally. Maxima only a little above 60° in central Europe, and below 60° in the north and north-west of this country.

Wind in morning light to fresh from the North-Westward over these Islands, light from West or South-West over the Low Countries and Germany, and from the South-Westward or Southward in Sweden. Light and rather variable airs prevailing over the south of our area. Veering somewhat over these Islands during day, but remaining light. A well-marked cyclonic circulation over Scandinavia, increasing in force to a fresh or strong breeze.

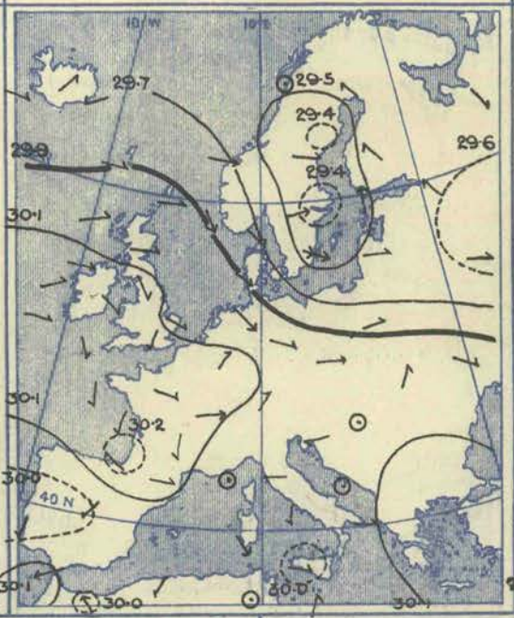
Barometer in morning ranging from above 30·2 ins. an anticyclone extending from the Atlantic across France to less than 29·5 ins. in a depression over Scandinavia. Relatively low over central Russia and the southern half of the Spanish Peninsula. A steady increase of pressure taking place later over Scotland and the north of England, but a fresh and rather decided fall setting in over Iceland. Scandinavian depression moving southwards and gradients becoming steeper over Norway, Denmark, and the Baltic region.

Saturday, 24th August, 1907.

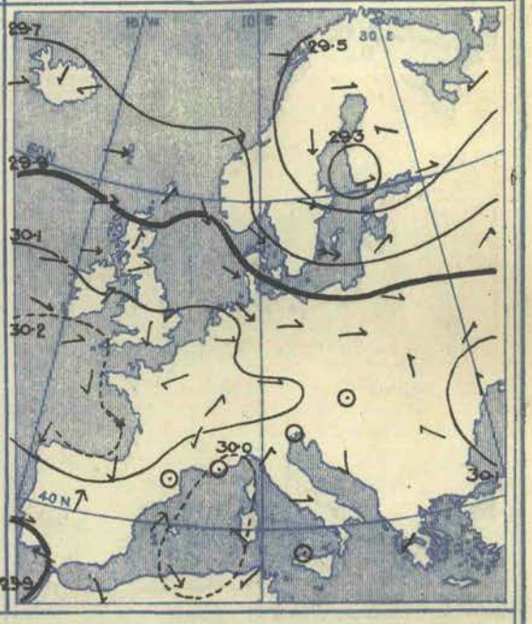
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in southern Europe and also in some parts of our Islands and northern Europe, but very cloudy or quite overcast in the latter regions generally, with rain at Roche's Point and in certain parts of Scandinavia and Russia. Rain also falling in the west of Iceland and at Frankfort. Rain experienced later in Ireland, Scotland, and in several parts of Germany and northern Europe; largest amounts 0·8 in. at Stockholm and 0·6 in. at Hernösand.

Temperature fallen in most parts of these Islands and Scandinavia, risen over our area as a whole. Readings in morning ranging from 78° at Barcelona and 76° at San Fernando to below 60° over Europe generally, to 52° or 51° in central England and to 44° at Nairn. Rising during day to 93° at Cape Béarn, 91° at Madrid and to above 80° in the south generally. Maxima again low over Germany and the United Kingdom, and below 70° in the north of France.

Wind in morning light anticyclonic over England and France and also in south-eastern Europe; cyclonic elsewhere. Moderate to strong in force over Scandinavia and the Baltic generally and blowing a gale from the Westward at Wisby. Little change later in day; gale continuing at Wisby.

Barometer in morning above 30·1 ins. over Ireland, England, Belgium, and France, and above 30·2 ins. at Biarritz. Below 29·4 ins. in a depression with two minima over Sweden. Pressure giving way slowly over the north of these Islands, but scarcely changing in the south and over France. Some slight irregularities appearing over Ireland and England by evening. Swedish depression moving eastwards to Finland and becoming less complex.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,650 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
August 18th, 11.39 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature F.	61°	58°	[58°]					One kite, 54 sq. ft.; 4,000 ft. wire. Max. height, 3,100 ft. Thick fog. Kite not seen at all. Rain at times.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	W, *25	25	[28]					
August 19th, 10.10 a.m. to 11.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	65°	58°	49°					One kite, 77 sq. ft.; 4,650 ft. wire. Cloud level about 2,500 ft.
		Humidity	80%	90%	100%					
		Wind Velocity, m. per hr.	SW, 17	SW by W, 23	SW by W, 33					
August 20th, 10.33 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	59°	53°	44°	[35°]				One kite, 77 sq. ft.; 5,500 ft. wire. Max. height, 4,500 ft. Clouds at 3,300 ft. Heavy showers and squall with hail at 9.15 a.m. and another, not so heavy, at 12.15 p.m. Wind dropped after each shower.
		Humidity	85%	90%	100%	[100%]				
		Wind Velocity, m. per hr.	NW by W, 13	NW, 30	NW, 33	[NW, 35]				
August 20th, 6.15 p.m. to 7.10 p.m.	Brighton, 380 ft.	Temperature F.	56°	50°						Winged kite, 45 sq. ft.; 3,500 ft. wire. Wind failed above 1,500 ft.
		Humidity	70%	70%						
		Wind Velocity, m. per hr.	NW, *10	N by W, 20						

* Estimated.

63, Victoria Street, London, S.W. *August 28th, 1907.*

W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 35. THIRTY-FIFTH WEEK, ENDING SATURDAY, AUGUST 31ST, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was finer than of late over the Kingdom generally, the sky being less cloudy and rain slight and infrequent except in the extreme north and north-west. Thunderstorms occurred at a few places in the East of Scotland on Wednesday and Saturday, and lightning was seen at Tunbridge Wells on Thursday.

Temperature was slightly above the average in England E., S., and S.W., and in the English Channel; elsewhere it was below it, the deficit amounting to more than 3° in Scotland E. The highest of the maxima were recorded, with a few exceptions, about the middle of the week, and ranged from 78° in England E. and S. (at Geldeston and Southampton) and 75° in the English Channel to 66° in Ireland N. and to 64° in Scotland N. The lowest of the minima, which were registered on rather irregular dates, varied from 32° in Scotland E. and Ireland N. to 39° in England S. and E. and Scotland N., and to 49° in the English Channel. Frost occurred on the grass in many northern and north-western localities; at Markree Castle the thermometer fell to 25° and at Balmoral to 26°.

Mean Temperature of the Sea showed a further decrease in most places. The actual figures ranged from 62°·0 at Eastbourne, 61°·5 at Margate, and 61°·1 at Newquay to 51°·0 at Lerwick.

Rainfall was less than the normal in all districts except Scotland N. Over a large portion of England the fall was very slight.

Bright Sunshine exceeded the average except in England S.W. and Ireland S. The percentage of the possible duration ranged from 59 in England S., 50 in the English Channel, and 48 in England N.E. to 28 in Ireland S. and to 27 in Scotland N.

Barometer and Wind.—The general distribution of pressure was again favourable for the passage of depressions over the northern parts of our Islands, while the southern districts were occasionally within the borders of the south-western high pressure system. As the depressions were not deep, and the anticyclone was not intense, the South-Westerly to Westerly winds blew with little force and only rarely attained a strong breeze on the most exposed parts of our north-western coasts. Over the greater part of England the wind became very light and variable towards the end of the week.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 276.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate
	Rainfall ...	Heavy	Moderate	Light	Very light	Very light	Very light	Moderate	Light	Very light	Very light	Light	Very light
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Scanty	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1907. 13 weeks from June 2nd.	Warmth ...	2 * 9	1 * 10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

PAST SEASONS.

SUMMER, 1906. June 3rd–Sept. 1st. 13 weeks.	Warmth ...	5 * 4	5 * 3	7 * 0	7 * 3	6 * 1	5 * 5	7 * 4	6 * 2	5 * 3	4 * 4	7 * 1	6 * 3
	Rainfall ...	3 * 7	3 * 7	2 * 6	1 * 7	1 * 7	1 * 9	4 * 5	2 * 6	3 * 7	2 * 6	3 * 5	1 * 9
	Sunshine ...	3 * 2	4 * 3	8 * 0	9 * 1	7 * 1	7 * 1	5 * 2	6 * 1	3 * 3	4 * 3	5 * 2	6 * 2
AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (35th)—August 25th to 31st, 1907.

DISTRICTS. (See p. 275.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	64	39	56·8	45·3	50·7	− 2·4	61	− 17	0	0	7	+ 2	1·63	+0·59	27	+ 1	27	+ 1
Eastern																		
1. SCOTLAND, EAST	65	32	60·1	43·6	51·4	− 3·2	66	− 22	0	0	5	0	0·66	−0·06	34	+ 3	35	+ 3
2. ENGLAND, N.E.	72	38	65·4	47·7	56·0	− 0·7	98	− 5	0	0	2	− 2	0·15	−0·49	47	+ 16	48	+17
3. ENGLAND, EAST	78	39	68·1	51·2	59·1	+ 0·6	120	+ 5	0	0	1	− 3	0·07	−0·50	45	+ 7	47	+ 7
4. MIDLAND COUNTIES	72	38	66·7	48·1	56·9	− 0·5	104	− 3	0	0	3	− 1	0·12	−0·52	42	+ 8	44	+ 9
5. ENGLAND, SOUTH	78	39	69·0	51·7	59·8	+ 0·2	125	+ 2	0	0	1	− 3	0·08	−0·58	56	+ 16	59	+17
Western																		
6. SCOTLAND, WEST	68	34	60·5	45·2	52·4	− 2·8	73	− 19	0	0	5	0	1·11	−0·02	42	+ 10	43	+10
7. ENGLAND, N.W.	71	36	62·4	48·1	54·8	− 2·2	90	− 15	0	0	4	− 1	0·44	−0·45	44	+ 13	46	+13
8. ENGLAND, S.W...	73	35	66·3	51·9	58·7	+ 0·6	117	+ 4	0	0	2	− 2	0·11	−0·78	34	− 6	36	− 6
9. IRELAND, NORTH	66	32	60·7	47·0	53·1	− 2·5	78	− 18	0	0	4	− 1	0·29	−0·66	37	+ 9	38	+10
10. IRELAND, SOUTH	69	37	63·4	50·0	56·3	− 0·8	100	− 6	0	0	5	+ 1	0·57	−0·32	27	− 5	28	− 5
11. ENGLISH CHANNEL	75	49	67·3	55·6	61·1	+ 0·4	134	+ 3	0	0	2	− 3	0·03	−0·63	48	+ 2	50	+ 2

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 13 Weeks, June 2nd to August 31st, 1907.

0. SCOTLAND, NORTH	86	33	*	*	*	*	872	−194	1	+ 1	69	+13	12·64	+2·79	337	− 64	22	− 4
Eastern																		
1. SCOTLAND, EAST	84	32	*	*	*	*	967	−279	0	0	64	+15	8·91	+1·11	389	− 91	26	− 6
2. ENGLAND, N.E...	76	35	*	*	*	*	1248	−150	0	0	50	+ 7	5·83	−1·15	475	− 7	33	0
3. ENGLAND, EAST	78	37	*	*	*	*	1414	−155	0	0	42	+ 1	4·67†	−2·14	511	− 81	36	− 6
4. MIDLAND COUNTIES.. ..	82	37	*	*	*	*	1293	−224	0	0	55	+14	7·68	+0·63	476	− 56	34	− 4
5. ENGLAND, SOUTH	81	37	*	*	*	*	1423	−229	0	0	44	+ 5	5·13	−1·37	561	− 52	40	− 4
Western																		
6. SCOTLAND, WEST	85	34	*	*	*	*	1141	−157	0	0	63	+12	13·47	+2·28	436	− 73	30	− 5
7. ENGLAND, N.W...	81	36	*	*	*	*	1231	−212	0	0	65	+18	11·33	+2·41	450	− 74	31	− 5
8. ENGLAND, SW	82	34	*	*	*	*	1318	−209	0	0	58	+13	9·51	+0·94	511	−103	36	− 7
9. IRELAND, NORTH	81	32	*	*	*	*	1145	−182	0	0	69	+12	11·15	+1·25	421	− 9	29	− 1
10. IRELAND, SOUTH	85	37	*	*	*	*	1353	−114	0	0	65	+16	9·81	+0·15	446	− 40	31	− 3
11. ENGLISH CHANNEL	78	44	*	*	*	*	1533	−134	0	0	45	− 1	4·41	−2·35	623	− 90	45	− 7

THE YEAR.—Aggregates, &c., for the period of 35 Weeks, December 30th, 1906, to August 31st, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	1275	−221	522	− 21	181	+21	35·86	+6·90	840	− 68	25	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1431	−349	599	+ 11	144	+11	19·44	+0·93	982	− 61	30	− 2
2. ENGLAND, N.E.	82	15	*	*	*	*	1842	−108	501	+ 26	128	+ 8	14·63	−0·83	1132	+103	35	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	2073	−187	518	− 3	119	+ 3	13·37†	−1·86	1195	− 32	37	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	1978	−258	540	+ 7	129	+14	16·83	+0·10	1067	− 32	33	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	2139	−280	434	+ 53	114	+ 4	14·32	−1·79	1252	+ 9	39	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1709	−177	404	− 6	153	+13	33·08	+3·86	896	− 96	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1827	−240	418	+ 32	151	+23	23·18	+1·98	1053	− 47	32	− 2
8. ENGLAND, S.W.	82	5	*	*	*	*	1983	−309	396	+ 95	145	+20	22·95	+0·27	1154	−133	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1733	−254	292	− 53	171	+19	27·33	+3·45	950	− 41	29	− 1
10. IRELAND, SOUTH	85	11	*	*	*	*	2125	−161	256	− 3	163	+28	22·20	−3·00	1037	− 71	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	2379	−207	96	− 13	124	− 9	14·75	−3·93	1334	−143	42	− 4

† The corresponding value for last week has been slightly altered owing to the receipt of further information.

August 25-31, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
					Mean for the Week.			Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees).							
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	58	41	53·7	45·3	49·3	− 2·6	51	0	7	1·16	+ 0·41	24·5	− 1·8	26	− 2
		Stornoway	57	42	55·3	46·0	50·4	− 2·8	59	0	7	2·49	+ 1·57	27·2	− 1·8	28	− 2
	Mainland.	Wick	60	39	56·6	45·4	50·7	− 2·8	61	0	7	0·49	− 0·14	*	*	*	*
		†Lairg (Strathpeffer) .. .. S	64	41	60·3	44·2	51·8	− 1·2	69	0	5	0·03	+ 0·25	34·1	+ 6·9	34	+ 7
		Glencarron	58	41	55·2	45·2	49·9	− 3·1	55	0	7	2·59	+ 0·81	*	*	*	*
		Fort Augustus	62	42	58·5	45·0	51·4	− 3·5	66	0	6	1·10	+ 0·25	20·8	+ 0·6	21	+ 1
		Fort William .. .. S	62	43	57·8	45·9	51·5	− 4·0	67	0	7	2·65	+ 1·15	*	*	*	*
		(West Linton)												35·4	—	36	—
1. SCOTLAND, E.		Nairn	62	41	58·6	44·3	51·0	− 3·8	63	0	6	0·90	+ 0·33	31·7	—	32	—
		Aberdeen	63	38	60·4	45·6	52·6	− 2·2	74	0	3	0·46	− 0·21	36·1	+ 3·8	37	+ 4
		†Balmoral (Crathes) .. S	60	32	58·3	36·6	46·8	− 5·0	56	15	5	0·72	− 0·11	29·7	—	30	—
		†Crieff (Balruddery) .. S	65	41	60·9	43·6	51·7	− 3·6	68	0	5	1·25	+ 0·38	31·8	—	32	—
		†Leith (Edinburgh)	64	44	61·3	48·1	54·3	− 2·5	86	0	4	0·40	− 0·18	38·9	+ 9·1	40	+ 9
		Marchmont .. .. S	64	35	60·8	43·6	51·7	− 2·6	68	0	4	0·23	− 0·55	36·9	+ 5·8	38	+ 6
		(Saltburn)												41·5	—	43	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	69	38	65·2	46·2	55·1	− 0·2	92	0	5	0·28	− 0·39	43·5	—	45	—
		†Shields (Newcastle)	66	41	64·4	46·0	54·7	− 1·3	89	0	3	0·28	− 0·29	36·0	+ 8·7	37	+ 9
		Durham	66	39	63·2	44·6	53·3	− 2·8	79	0	2	0·29	− 0·28	43·1	+ 12·0	44	+ 12
		Scarborough .. .. M	68	47	65·6	49·5	57·1	0·0	106	0	2	0·15	− 0·45	41·1	—	42	—
		York	69	43	65·9	46·9	55·8	− 1·6	97	0	3	0·15	− 0·40	38·5	+ 7·0	40	+ 7
	Southern part.	Spurn Head	67	50	62·9	52·0	57·1	− 1·3	106	0	1	0·02	− 0·39	*	*	*	*
		†Lincoln (Skegness)	72	42	68·6	48·4	57·9	− 0·5	111	0	1	0·01	− 0·54	59·5	—	62	—
		†Fulbeck (Rauceby)	72	42	67·5	48·3	57·3	− 1·4	107	0	1	0·02	− 0·54	53·4	—	56	—
3. ENGLAND, E.	Northern part.	Hillington .. .. M	75	39	67·9	49·7	58·3	0·0	114	0	1	0·01	− 0·62	42·9	+ 5·6	45	+ 6
		†Yarmouth (Lowestoft) ..	71	49	65·7	53·0	59·0	+ 0·1	119	0	0	0·00	− 0·55	47·9	—	50	—
		Geldeston	78	44	70·9	49·2	59·4	+ 0·8	122	0	0	0·00	− 0·51	43·5	+ 3·0	45	+ 3
		(Cromer)												48·5	—	51	—
	Southern part.	Cambridge	74	42	69·1	48·7	58·3	− 0·8	114	0	1	0·03	− 0·49	42·1	+ 2·4	44	+ 3
		Felixstowe	71	49	66·9	53·3	59·7	− 0·3	124	0	2	0·16	—	43·9	—	46	—
		Clacton-on-Sea	71	50	67·3	52·9	59·7	− 0·8	124	0	1	0·12	—	49·3	—	51	—
		Rothamsted	73	42	67·5	48·6	57·5	− 0·4	109	0	1	0·01	− 0·56	39·8	+ 0·7	42	+ 1
		†Shoeburyness (Southend) ..	74	49	67·7	52·6	59·7	− 1·2	124	0	1	0·11	− 0·31	45·2	—	48	—
		London, Westminster	75	46	69·9	52·4	60·6	+ 0·1	130	0	2	0·17	− 0·36	45·6	+ 11·0	48	+ 12
		(Dunmow)												44·1	—	46	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	67	41	63·3	46·2	54·2	− 1·7	85	0	4	0·20	− 0·42	42·5	—	44	—
		†Bawtry (Worksop)	72	38	68·3	46·6	56·8	− 0·6	104	0	1	0·03	− 0·50	41·3	+ 10·3	43	+ 11
		Nottingham	71	39	68·0	47·9	57·4	− 0·6	108	0	1	0·01	− 0·55	44·2	—	46	—
		Birmingham, Edgbaston ..	70	45	66·0	49·3	57·2	− 0·5	106	0	2	0·08	− 0·56	40·0	—	42	—
		Oxford	72	44	67·7	49·4	58·0	− 0·8	112	0	3	0·07	− 0·46	35·4	− 3·3	37	− 3
	Western part.	†Cheadle (Sheffield) .. M	67	43	63·9	47·1	55·0	− 0·9	91	0	3	0·11	− 0·67	48·9	—	51	—
		Shrewsbury	72	38	67·0	48·1	57·0	− 1·3	105	0	3	0·12	—	*	*	*	*
		Hereford .. .. M	71	38	66·8	47·9	56·8	− 1·1	104	0	4	0·09	− 0·49	*	*	*	*
		Cirencester	71	41	67·4	46·8	56·5	− 0·4	102	0	2	0·15	− 0·53	38·4	+ 0·6	40	+ 1
		Bath	71	46	68·9	51·3	59·6	+ 0·7	123	0	3	0·29	− 0·37	44·3	—	47	—
		(Margate)												47·6	+ 7·9	50	+ 8
5. ENGLAND, S.		Kew	74	46	69·7	51·5	60·1	+ 0·9	127	0	2	0·16	− 0·36	51·9	+ 12·8	55	+ 13
		Wisley, Surrey	75	44	70·6	49·3	59·3	− 1·4	121	0	1	0·33	—	55·5	—	58	—
		†Swarraton (Ventnor) .. M	73	39	69·9	48·1	58·4	+ 1·0	115	0	1	0·12	− 0·53	64·1	+ 19·3	68	+ 20
		Tunbridge Wells .. M	74	46	69·9	50·4	59·6	+ 1·0	123	0	0	0·00	− 0·55	54·7	+ 13·3	58	+ 14
		†Dungeness (Littlestone) ..	70	48	66·6	52·0	58·9	− 1·3	118	0	0	0·00	− 0·47	58·6	—	62	—
		Hastings	73	50	68·6	54·0	60·9	+ 0·7	132	0	0	0·00	− 0·58	66·3	+ 21·9	70	+ 23
		Southampton	78	45	72·3	52·3	61·7	+ 1·5	138	0	0	0·00	− 0·61	54·1	+ 10·7	57	+ 11
		†Portland Bill (Worthing) ..	68	54	64·3	55·7	59·7	− 1·3	124	0	0	0·00	—	64·5	—	68	—
		(Eastbourne)												68·2	+ 24·8	72	+ 26
6. SCOTLAND, W.		Laudale	60	42	58·3	46·0	51·8	− 3·6	69	0	7	3·14	+ 1·65	*	*	*	*
		Poltalloch .. .. S	59	35	58·1	42·9	50·0	− 6·1	56	0	6	2·43	+ 1·29	*	*	*	*
		Glasgow	62	43	58·9	47·2	52·7	− 2·3	75	0	5	0·69	− 0·23	34·6	+ 7·2	35	+ 7
		Rothesay .. .. .. S	64	42	60·7	46·4	53·1	− 3·0	78	0	6	1·24	+ 0·17	*	*	*	*
		Dumfries .. .. .. S	68	36	63·8	46·0	54·4	− 2·6	87	0	5	0·41	− 0·44	*	*	*	*
		Cally .. .. .. S	65	34	61·0	41·0	50·4	− 4·6	63	3	5	0·85	− 0·18	*	*	*	*
		Douglas, Isle of Man	63	36	60·3	45·9	52·7	− 3·5	75	0	3	0·44	− 0·47	48·7	+ 11·6	50	+ 12
7.	ENGLAND, N.W.	Aspatria	65	40	60·7	46·3	53·1	− 2·8	78	0	3	0·28	− 0·68	44·4	—	46	—
		Newton Rigg	63	36	60·9	43·2	51·5	− 3·2	67	0	3	0·39	− 0·41	48·1	+ 16·1	50	+ 17
		Stonyhurst	66	39	60·1	45·5	52·4	− 3·8	73	0	5	0·36	− 0·80	35·7	+ 3·5	37	+ 4
		Blackpool .. .. .. M	67	39	61·0	48·1	54·2	− 3·3	85	0	4	0·38	− 0·43	42·6	+ 8·5	44	+ 9
		Manchester, Prestwich ..	69	41	64·1	45·8	54·4	− 2·5	87	0	4	0·10	− 0·78	37·5	+ 8·8	39	+ 9
		†Liverpool Obs. (Hoylake) ..	69	47	61·7	51·1	56·1	− 2·0	99	0	4	0·16	− 0·53	50·3	—	52	—
		†Hawarden Bridge (Southport)	71	43	64·7	49·5	56·6	− 1·9	102	0	4	0·13	− 0·50	44·6	+ 8·8	46	+ 9
	NORTH WALES	Llandudno .. .. M	69	46	64·6	52·2	58·0	− 0·4	112	0	4	0·76	+ 0·10	51·3	+ 16·4	53	+ 17
		†Holyhead (Aberdovey) ..	64	48	61·4	52·0	56·4	− 1·3	101	0	2	1·02	+ 0·30	38·6	—	40	—
		Bettws-y-Coed	68	42	64·9	47·4	55·6	− 2·2	95	0	4	0·81	—	47·6	—	50	—
		(Aberystwyth)												36·0	—	38	—
8.	SOUTH WALES	Llangammarch Wells	66	35	63·6	46·7	54·6	− 1·9	88	0	4	0·14	—	31·8	—	33	—
		Pembroke	64	49	62·0	53·7	57·6	− 0·6	109	0	2	0·08	− 0·62	36·3	− 4·0	38	− 4
		Cardiff	71	44	67·4	49·5	57·9	− 1·2	111	0	3	0·14	− 0·84	38·0	—	40	—
	ENGLAND S.W.	Clifton	72	51	68·1	54·0	60·6	+ 1·2	130	0	2	0·08	− 0·69	41·8	—	44	—
		†Shaftesbury (Marlborough) M	70	48	68·0	51·6	59·3	+ 1·9	121	0	2	0·20	− 0·46	38·0	+ 0·9	40	+ 1
		†Arlington (Newquay)	68	45	65·6	52·1	58·5	+ 1·6	116	0	3	0·19	− 0·94	29·6	− 14·0	31	− 15
		Cullompton .. .. M	73	45	71·1	51·0	60·5	+ 1·8	130	0	1	0·01	− 0·65	31·1	− 8·2	33	− 9
		Plymouth	68	49	65·4	53·6	59·2	− 0·3	120	0	3	0·16	− 0·51	35·9	− 6·1	38	− 6
		Falmouth	69	50	65·2	55·0	59·8	+ 0·7	125	0	0	0·00	− 0·81	26·8	− 18·0	28	− 19
		(Torquay)												44·9	+ 2·3	47	+ 3
9. IRELAND, N.	Western part.	Malin Head	62	48	57·6	49·7	53·4	− 2·9	80	0	6	0·69	− 0·07	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point												*	*	*	*
		Markree Castle	66	32	61·7	43·4	52·0	− 3·2	70	0	3	0·12	− 0·81	34·0	+ 6·5	35	+ 7
	Eastern part.	Armagh	65	38	62·3	44·7	53·0	− 2·8	77	0	3	0·20	− 0·56	39·3	+ 10·9	41	+ 11
		Donaghadee	66	41	61·3	47·4	53·9	− 2·2	83	0	4	0·16	− 0·58	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	69	44	64·2	50·7	57·1	− 0·9	106	0	3	0·86	+ 0·19	38·2	+ 2·8	40	+ 3
		Kilkenny	67	39	63·4	48·9	55·7	− 1·5	96	0	4	0·32	− 0·44	*	*	*	*
		Waterford	69	42	63·7	49·3	56·1	− 1·3	99	0	3	0·33	− 0·51	*	*	*	*
	Western part.	Birr Castle	67	37	63·7	47·4	55·1	− 1·4	92	0	4	0·60	− 0·20	27·4	− 3·9	29	− 4
		Foynes	67	43	62·3	49·9	55·7	− 1·5	96	0	6	0·83	0·00	*	*	*	*
		Killarney	69	48	65·9	51·1	58·1	+ 0·2	113	0	5	0·79	− 0·23	*	*	*	*
		Valencia	65	46	61·9	51·4	56·3	− 2·0	100	0	6	0·41	− 0·71	18·8	− 14·1	20	− 15
		†Roches Point (Ballinacurra) ..	67	48	62·1	51·6	56·5	− 1·8	102	0	5	0·40	− 0·50	24·2	—	26	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	67	56	64·6	57·4	60·8	+ 0·8	132	0	2	0·04	− 0·59	33·3	− 14·1	35	− 15
		†Jersey, St. Aubins (St. Helliers)	75	49	69·1	53·7	60·9	− 1·0	132	0	2	0·02	− 0·60	52·3	+ 2·3	55	+ 3
		Guernsey	71	54	68·2	55·6	61·5	+ 0·8	137	0	1	0·04	− 0·60	57·3	+ 7·3	60	+ 8

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 52·2 hrs., 55 %; Brighton, 61·1 hrs. (+15·9), 64 % (+17 %); Bournemouth, 57·3 hrs., 60 %; Bognor, 65·1 hrs., 69 %; Rhyl, 46·4 hrs., 48 %; Tenby, 35·4 hrs. (− 5·5), 37 % (− 6 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·0
	Crathes	1	27	54·4	53·8
	Balmoral	2	26	—	—
	Marchmont ..	0	35	54·1	—
2.	Cockle Park	0	33	53·6	53·2
	York	—	—	57·1	55·9
	Hull	0	36	56·7	55·7
	Lincoln	—	—	58·7	56·1
3.	Lowestoft	—	—	61·3	58·5
	Cambridge	0	39	60·4	58·6
	Dunmow	0	41	—	—
	Clacton-on-Sea ..	0	40	60·0	58·9
4.	Harrogate	0	36	54·3	53·9
	Sheffield	0	34	57·7	55·0
	— — ..				
	Birmingham	0	32	54·8	52·9
	Nottingham	0	35	58·1	57·4
	— — ..				
5.	Kew	0	37	60·2	58·0
	Canterbury	—	—	—	—
	Portsmouth	0	40	62·3	59·9
	Wisley	0	38	60·6	58·7
6.	Glasgow	0	33	—	—
	Rothesay	—	—	—	53·9
	Dumfries	0	31	—	—
	Douglas	0	35	—	—
7.	Newton Rigg ..	1	30	56·6	54·9
	Southport	0	33	60·2	59·8
	Manchester City ..	0	39	56·8	57·0
	Bettws-y-Coed ..	0	42	55·3	54·0
	— — ..				
8.	Llangammarch Wells	1	29	58·5	55·0
	Bath	—	—	62·1	60·6
	Plymouth	0	44	61·9	—
	— — ..				
9.	Armagh	0	34	58·0	57·0
	Markree Castle ..	2	25	—	—
10.	Dublin, Trin. Coll. ..	0	39	58·4	56·9
11.	Guernsey, Brooklyn	0	48	63·4	61·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	51	51·0
	Kirkwall	53	52	52·4
	Wick	52	50	51·9
SCOTLAND, E.	Cromarty	55	53	54·0
	Pennan Bay	55	53	54·0
	Aberdeen, Cove Bay ..	55	52	54·5
ENGLAND, N.E.	Burnmouth, Berwick ..	55	50	53·0
	Scarborough	60	51	55·8
ENGLAND, E.	Shipwash Lightship ..	63	58	61·0
	Margate	63	60	61·5
ENGLAND, S.E.	Eastbourne‡	63	60	62·0
SCOTLAND, W.	Lamlash	55	53	54·2
	Ballantrae	55	52	53·4
ENGLAND, N.W.	Port Erin	57	55	55·7
ENGLAND, S.W.	Newquay	62	60	61·1
	Plymouth‡	59	58	58·3
	Salcombe	60	57	58·8
IRELAND, N.W.	Sheephaven	59	56	58·3
	Ballyglass	61	55	58·2
IRELAND, S.W.	Cleggan	61	54	58·1
	Seafield	63	57	60·0
IRELAND, E.	Kingstown‡	58	57	57·9

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

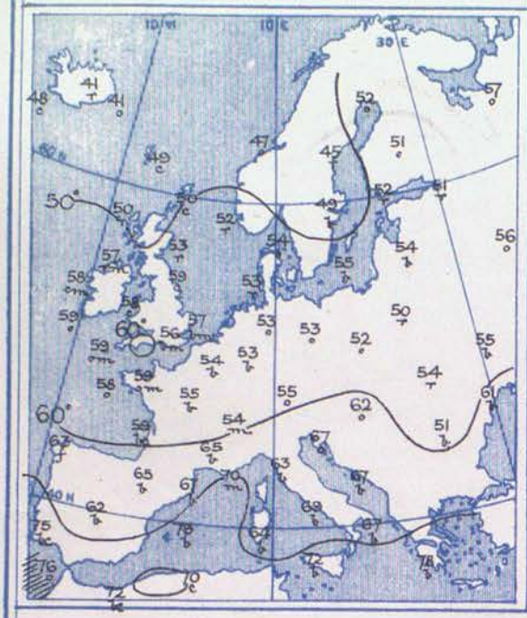
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

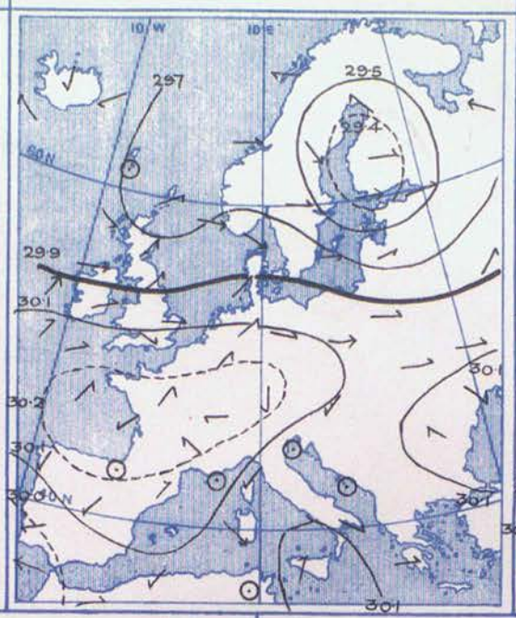
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 25th August, 1907.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather in morning fine and bright in all the southern regions of Europe and in the south of our Islands, as well as at several stations on the shores of the Baltic; cloudy or dull elsewhere, with rain in the north of the United Kingdom and at some places on the Continent and in Iceland. Rain, generally in small amounts, falling later in most parts of this country and over the northern countries of the Continent.

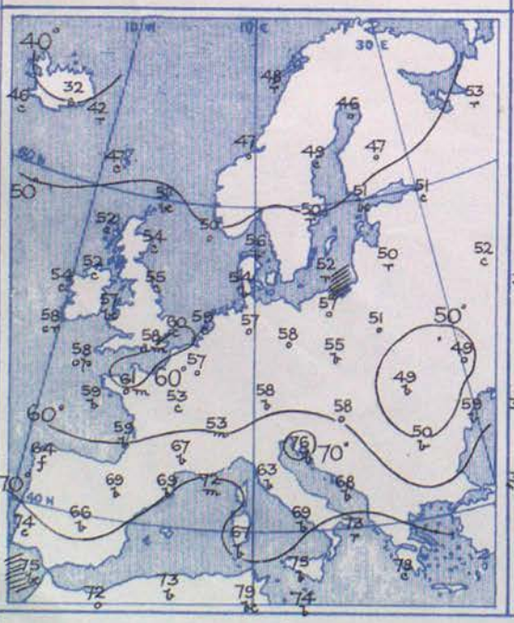
Temperature risen over these Islands and Portugal, fallen in most other regions. Readings in morning about 60° over a large portion of England, rather lower in Ireland, the north of Scotland, and most of France and Germany, but increasing to above 70° at many stations in the Mediterranean region, and to nearly 80° in places. Maxima during day 95° at Patras, 93° at Cape Béarn, 80° or above over southern Europe generally, and about 70° in the south and east of England. Thermometer remaining below 70° over a considerable portion of central Europe.

Wind in morning showing an anticyclonic circulation over France and the surrounding countries, and a cyclonic movement in the north of Europe. Light or moderate as a whole, but fresh at some of our north-western stations and on some shores of the Baltic and Gulf of Bothnia. No general change later, but some veering towards North-West taking place in Ireland and Scotland.

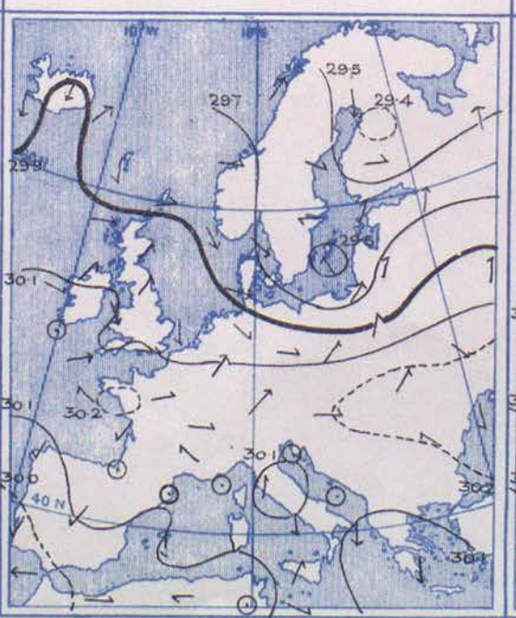
Barometer in morning ranging from above 30·2 ins. in a large anticyclone having its central area over France and southern Germany, to less than 29·6 ins. off the north of Scotland and to below 29·4 ins. in a large depression over Finland. High pressure system giving way somewhat later, but barometer rising rather decidedly in Scotland. Finnish disturbance moving slowly northwards. Highest pressure at 6 p.m. situated in Brittany and over the Black Sea region.

Monday, 26th August, 1907.

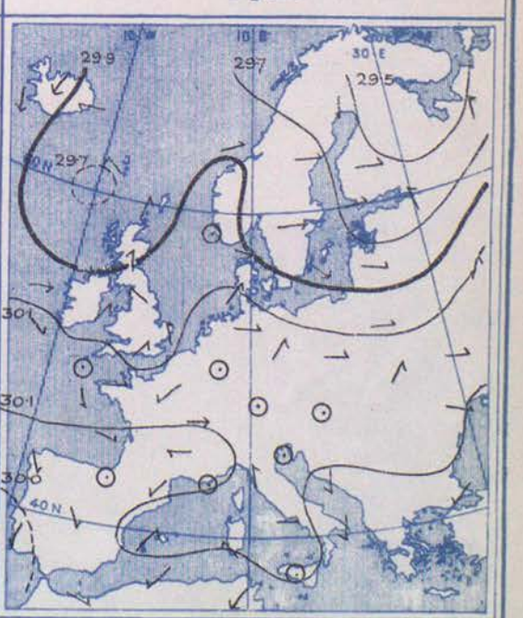
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of the United Kingdom, but rainy at some south-western stations; dull, with rain in places, over a large portion of north-eastern and northern Europe; fine and bright in most of the central and southern regions. Slight rain later in various parts of these Islands and in some Scandinavian and Russian localities.

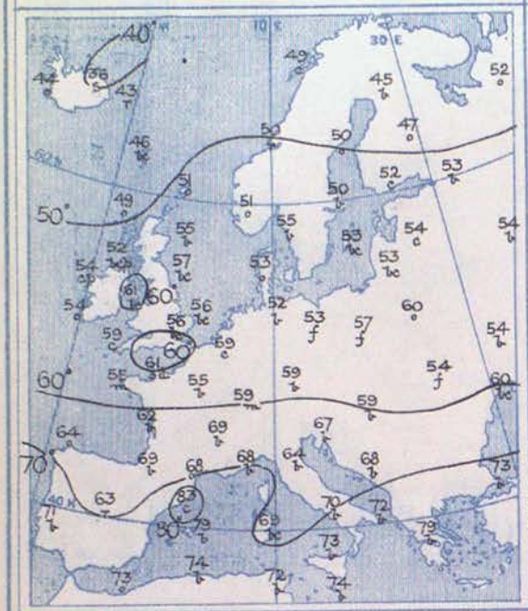
Temperature changed rather irregularly. Readings in morning ranging from about 80° at a few stations in the far south to below 55° over a considerable part of the Continent, and to below 50° in the extreme north. Thermometer as low as 32° at Grimstadir. Maxima during day 97° at Cape Béarn, 95° at Aumale, between 80° and 90° in the Mediterranean region generally, above 70° in Austria-Hungary and South Germany, and above 65° in some parts of the United Kingdom.

Wind in morning showing two separate cyclonic circulations over northern Europe; light or moderate in force generally, but South-Westerly current blowing strongly or with gale force on the coast of North Germany. Light and variable, but mainly anticyclonic, airs prevailing over central Europe. A feeble cyclonic movement setting in later between Iceland and Scotland.

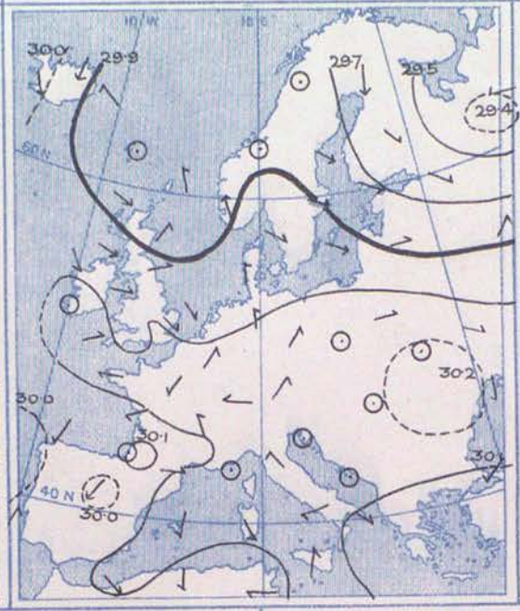
Barometer in morning above 30·2 ins. in a considerable area extending from the Black Sea to Buda-Pesth, and relatively high in a band stretching across the central countries to the Atlantic. Below 29·5 ins. in a depression over the Isle of Gothland, and less than 29·4 ins. in another system over the north of Sweden. A very shallow secondary disturbance shown over Wales. A new depression forming later off the north of Scotland, secondary disturbance over Wales moving eastwards over England, and northern low pressure systems travelling north-eastwards.

Tuesday, 27th August, 1907.

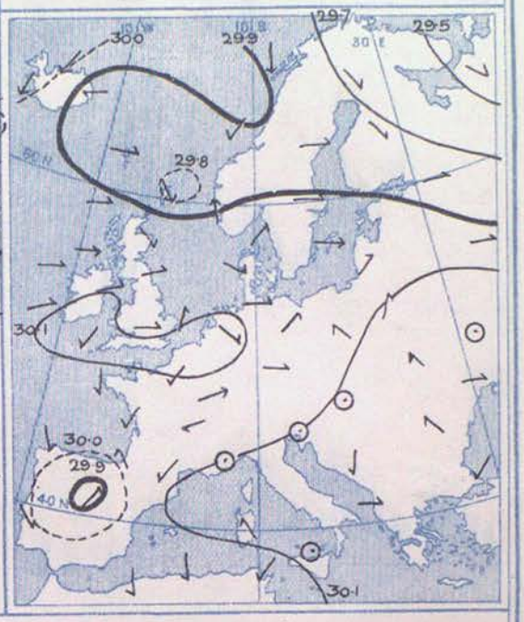
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of our area, but rain or snow falling in Iceland, rain at Christiansund and also at Madrid, and showers in the north-west of Ireland. Thunderstorms occurring in the south-west of France later, accompanied by 1·3 in. of rain at Biarritz, and rain experienced in the north and north-west of these Islands and in various parts of northern Europe.

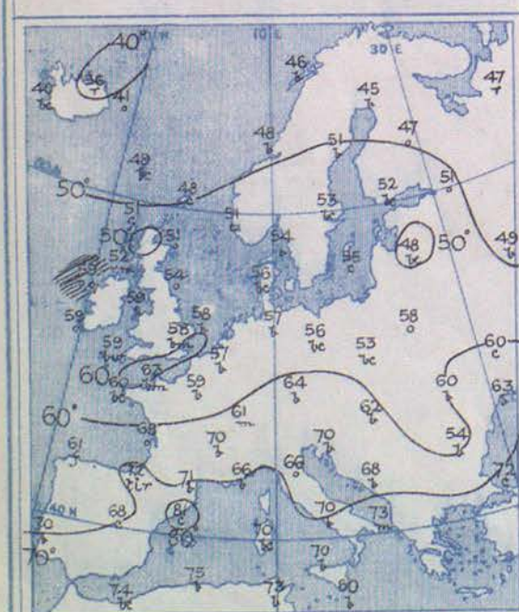
Temperature changes rather irregular, but showing an upward tendency in many places. Readings in morning as high as 83° at Barcelona and nearly 80° at some other southern stations. Below 60° over Europe as a whole, and less than 50° in several northern regions. Rising during day to nearly 70° in the southern and south-eastern counties of England, to above 80° in Italy, and to 90° at Madrid and in the west of France, as well as at Lyons. Maxima below 60° at some of our own northern and north-western stations, and also on the coast of North Germany.

Wind in morning showing two separate cyclonic circulations over the northern part of our area, but scarcely any station reporting a greater force than a moderate breeze. Light and mainly anticyclonic airs prevailing in most places south of latitude 50°. No general change later, but a well-marked cyclonic movement setting in over the Spanish Peninsula.

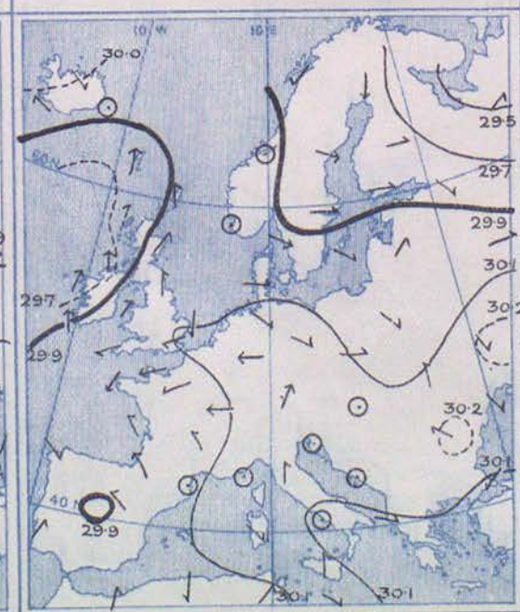
Barometer in morning 30·1 ins. to 30·2 ins. in a large irregularly shaped high pressure system covering the southern half of our area. Below 29·7 ins. in a depression centred near Shetland, and less than 29·5 ins. in a disturbance over the far north of Russia. Depressions travelling north-eastwards during day, and some modification taking place in the form and intensity of the high pressure system. Barometer rising slowly in Scotland, scarcely changing in England and Ireland.

Wednesday, 28th August, 1907.

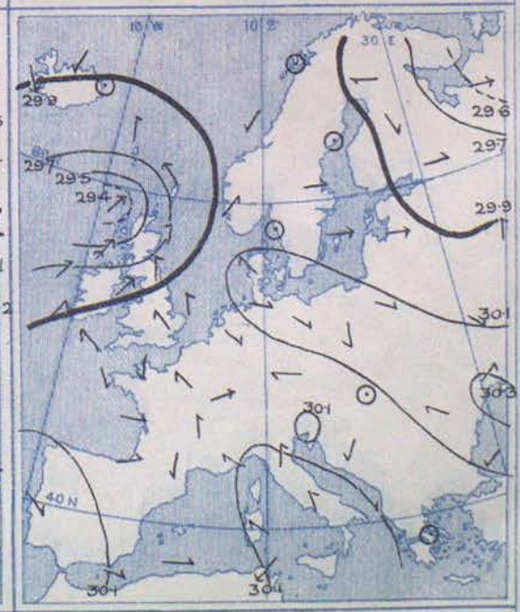
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over England and Wales and also over the major portion of the Continent; overcast, with rain in places, in Ireland, Scotland, and Iceland, as well as in the south-west of France, and at Karlstad and Archangel. A thunderstorm prevailing at Biarritz. Thunderstorms later at Toulouse and Paris, and rain in the west and north of these Islands and in a few parts of northern Europe. Largest measurements 0·7 in. at Paris, 0·8 in. at Castlebay, and 0·9 in. at Stornoway.

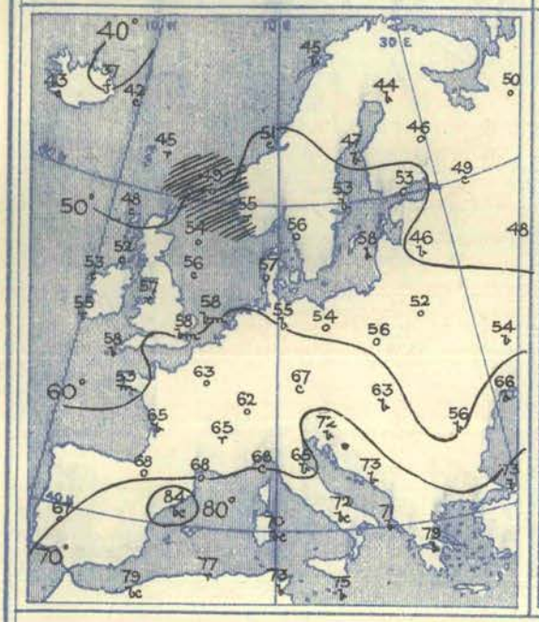
Temperature risen in most regions. Readings in morning ranging between 70° and 80° at most of the stations in the far south, but below 60° in most parts of central Europe and the United Kingdom, and below 50° at Nairn, Sumburgh Head, and at some extreme northern stations. Rising to 90° or above during day in some extreme southern localities, and to 95° at Cape Béarn. Maxima higher than of late in these Islands, thermometer touching or slightly exceeding 70° over a large part of England.

Wind in morning moderate to strong from the Southward on our west and north-west coasts, and variable or light from the Eastward over England and northern France. Mainly North-Westerly to Westerly over northern Europe, but light and very variable in the south. Veering to South-West later in day on our west and north-west coasts, and blowing a strong gale at Malin Head. No general change occurring, but wind becoming high from the South-Eastward at Toulouse.

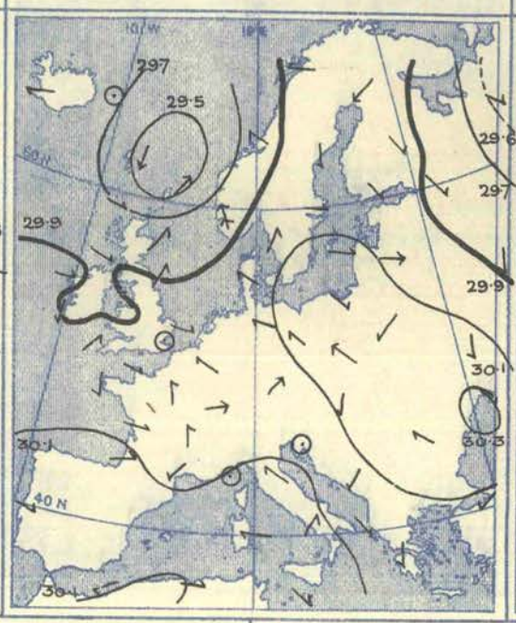
Barometer in morning ranging from above 30·2 ins. in the south of Russia to below 29·8 ins. off the north-west of these Islands, and to less than 29·5 ins. over the White Sea. Relatively low over the Spanish Peninsula and the Bay of Biscay. Barometer falling very briskly in the north-west of this country during day, and the centre of a deep depression reaching a position not far from the Hebrides by evening. Gradients steepening considerably over our northern and western districts.

Thursday, 29th August, 1907.

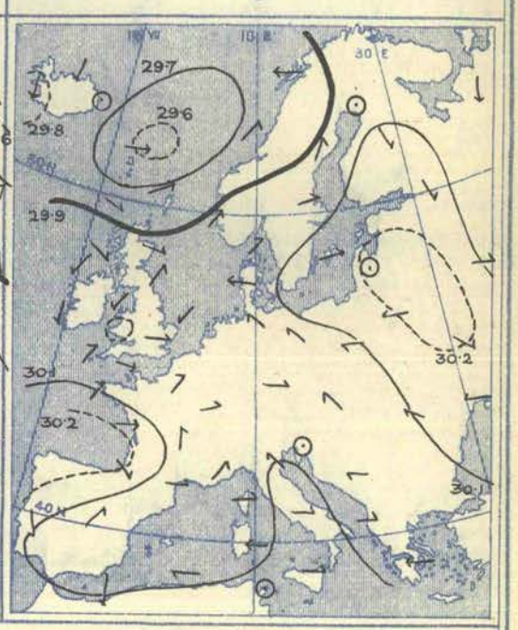
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Ireland and some parts of Wales, as well as at Skudesnaes, Thorshavn, Lyons, and Algiers. Fair or fine in nearly all other regions. Thunderstorms later in several parts of France, and rain in Germany and the north and west of these Islands and in Norway.

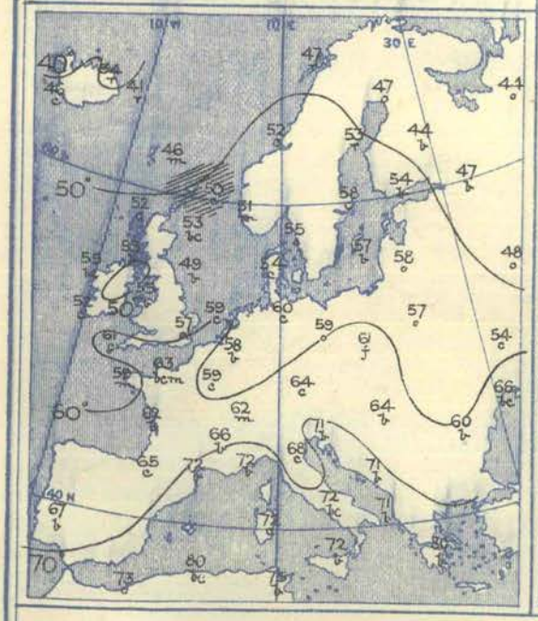
Temperature showing no decided change. Readings in morning ranging from 84° at Barcelona and only a little lower at some other southern stations, to about 60° over a large portion of the Continent and the south of these Islands and to below 50° in the north. Maxima during day 75° at Bournemouth and in London and above 70° at many of our stations. Thermometer rising to 97° at Tunis and to between 80° and 90° in the south generally.

Wind in morning showing a complete cyclonic circulation between Iceland and Norway. Westerly current blowing a strong breeze at Sumburgh Head, a gale from South South-East prevailing at Skudesnaes, and a high wind from North at Thorshavn. Light and very variable breezes prevalent over England, and light anticyclonic airs over the major portion of the Continent. Little change of a general character occurring later; decreasing in force at most northern stations.

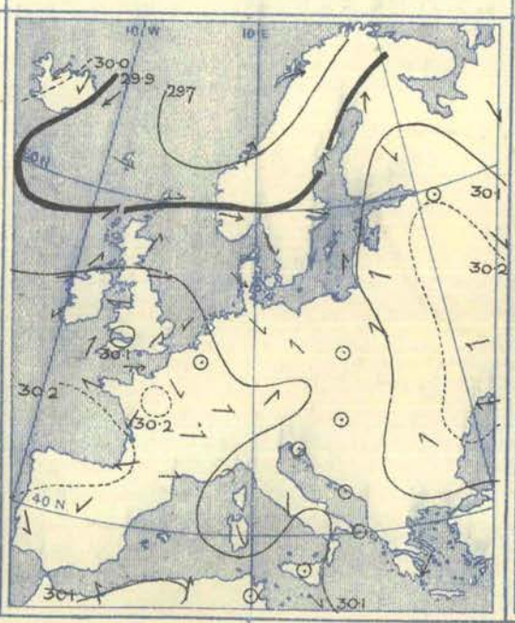
Barometer in morning above 30·3 ins. in an anticyclone having its central space on the northern shores of the Black Sea; below 29·5 ins. in a depression off the north of Scotland, and relatively low in very shallow and ill-defined systems over Ireland and England. Northern disturbance moving very slowly northwards during day, and barometer rising over our western and northern districts. Pressure giving way somewhat within the anticyclonic region.

Friday, 30th August, 1907.

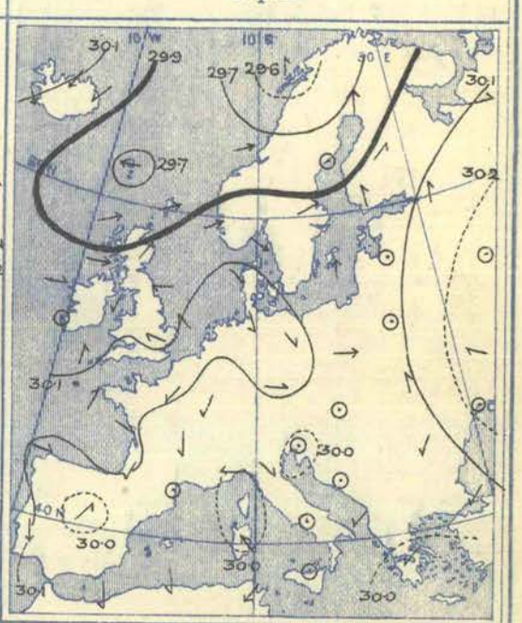
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in nearly all parts of southern Europe and in a few localities elsewhere. Rain falling in Iceland, the north of Scandinavia, and at some of our own stations, as well as at Neu-Fahrwasser. Some rain experienced later in the north and west of our Islands, and also in some northern regions of the Continent.

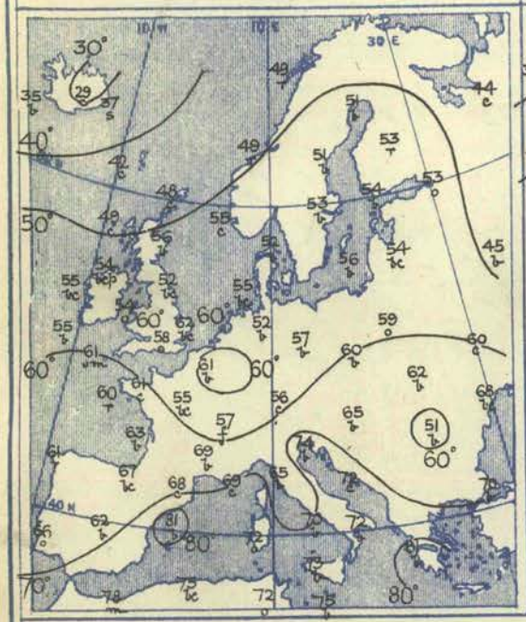
Temperature fallen in France and the Low Countries, risen or changed irregularly elsewhere. Readings in morning 81° at Barcelona, 80° at Algiers, and above 70° over the Mediterranean regions generally. Below 60° over a very large portion of the Continent, and below 50° in the north and over most of Russia. Thermometer rising to nearly 90° during day in some of the most southern localities and to above 80° in central Europe, but maxima below 70° at almost all our own stations.

Wind in morning North-Easterly in Iceland, Westerly in Scotland, and South-Westerly to Southerly in Scandinavia. Very light and variable over England and rather variable over central and southern Europe, but a high wind from North North-East prevailing in Greece. Increasing somewhat in force in Scotland and some other northern regions later in day.

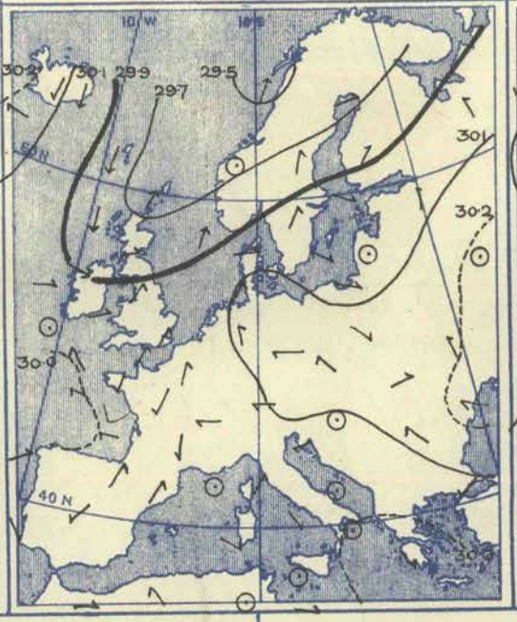
Barometer in morning above 30·2 ins. over the Bay of Biscay and also over the southern half of Russia; below 29·7 ins. in a depression between Iceland and Norway, and relatively low over North Germany and in Italy. A new minimum apparently forming in the vicinity of the Faeröe during day, and pressure decreasing slowly over the United Kingdom and France. Not much modification occurring in the general distribution of pressure.

Saturday, 31st August, 1907.

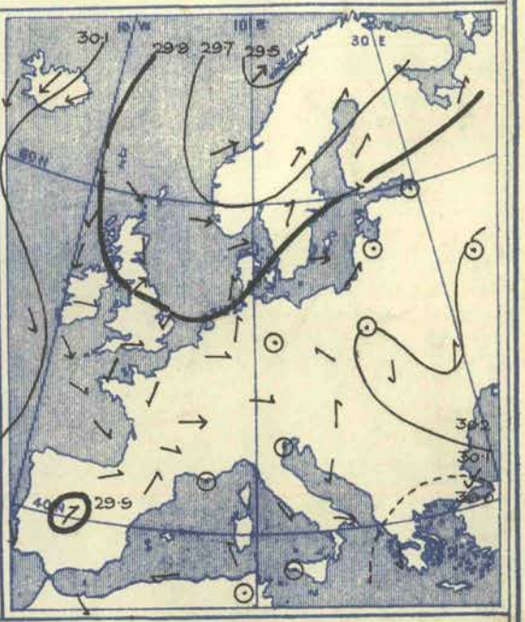
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in Sweden and a large part of southern Europe; cloudy or overcast in most other regions, with rain in several parts of these Islands and Norway, and snow at Seydisfjord. A thunderstorm experienced later at Aberdeen and the mouth of the Elbe, and rain falling in some parts of these Islands and in various Continental localities.

Temperature risen over England, fallen over Germany and the east of France. Readings in morning above 70° in the far south and as high as 81° at Barcelona and Patras. Below 50° over a very large portion of Russia and in the far north of our area, and below 30° at some stations in Iceland. Thermometer rising to about 70° later in the south of England, to above 80° very generally in the south of Europe, and to above 90° in a few places. Maxima below 65° over the United Kingdom as a whole, and below 60° at many northern stations.

Wind in morning Northerly in Iceland, Westerly in the north of our Islands, and Southerly to South-Westerly over the North Sea and Scandinavia; fresh in places, but moderate or light as a whole. Very light variable airs prevailing in the central and southern countries. Veering towards North over the greater portion of these Islands by evening or during the night.

Barometer in morning ranging from above 30·2 ins. over the southern half of Russia, to below 29·5 ins. in a depression in the far north of Norway. Relatively low in a very shallow depression over the Bay of Biscay. Pressure recovering steadily during day in the north and west of this country, but decreasing slowly in the greater part of Scandinavia and also over the central countries of the Continent.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫ = a heavy gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. August 25th, 10.30 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature F.	61°	52°						Two kites, 80 sq. ft.; 4,000 ft. wire. Max. height, 2,100 ft. Temp. 51° F. Clouds 1,400 ft. Becoming overcast.
		Humidity	80%	95%						
		Wind Velocity, m. per hr.	W, *20	W by N, 23						
August 28th, 11.38 a.m. to 11.54 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								† Change of direction from SE at 6,000 ft. through S to SW at 8,000 ft. Velocity increasing above 7,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	SE by E ½ E, 10	SE ½ E, 12	SE by S, 14	SE ½ E, 10	S by W ½ W, 8	SW by W, 15		
August 28th, 6.23 p.m. to 7.2 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								† At 3,500 metres WSW, 22; at 4,000 m. W by S ½ S, 16; at 4,500 m. SW by W, 17; at 5,000 m. S.W. ½ W, 12; at 5,500 m. SW ½ S 14; at 6,000 m. SW by S, 15. Wind backing from S by E at ground level, through N to SW at 4,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	S by E, 3	E by S, 5	SW by W ½ W, 11	SW ½ W, 13	SW by W, 18	SW by W, 19	SW by W ½ W, 19	
August 29th, 6.20 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Pilot balloon 1 ft. diam. Two theodolites, soon lost to sight of one observer. Clear sky.
		Humidity								
		Wind Velocity, m. per hr.	W, 14	W, 28	WNW, 30					
August 31st, 4.40 p.m. to 6.0 p.m.	Brighton, 380 ft.	Temperature F.	62°	59°?						Light winged kite. Air becoming rougher with altitude. Defective trace owing to clock stopping.
		Humidity	82%							
		Wind Velocity, m per hr.	W by S, 10	W by N, —						

* Estimated. † Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.

63, Victoria Street, London, S.W. *September 4th, 1907.*

W. N. SHAW, *Director.*

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. Vol. XXIV. (New Series.) } No. 36. THIRTY-SIXTH WEEK, ENDING SATURDAY, SEPTEMBER 7TH, 1907. [Price 6d.
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was unsettled, with rather frequent, but not generally heavy, rain in all parts of the Kingdom. Thunder was heard at Swarraton on the afternoon of Wednesday.

Temperature was below the average in all districts except the English Channel, the deficit amounting to at least 3° in the north-western districts, and to between 4° and 5° in the north and east of Scotland. The highest of the maxima were recorded on the 6th in most localities, but on the 7th at a few stations. They ranged from 77° in Jersey, 75° in England E. and 74° in England S.W. to 66° in Scotland E. and 65° in Scotland N. The absolute minima, which occurred in most districts on the 4th, were very low. In Scotland E. and England N.W. the thermometer fell to 28° (at Balmoral and Newton Rigg), in Scotland N., England N.E., and Scotland W. to 30°, and in England S.W. and the Midland Counties to 31° and 32° respectively. In England S. the lowest reading was 44°, and in the English Channel 52°. Frost occurred on the grass over a very large part of the Kingdom, the lowest readings being 21° at Balmoral, 24° at Crathes and Newton Rigg, 26° at Llangammarch Wells and Dumfries, and 28° at several stations in the north of England.

Mean Temperature of the Sea was lower than during the preceding week at nearly all the observing points, the decrease at Aberdeen amounting to 4°. The actual figures ranged from 62°·0 at Eastbourne, 60°·8 at Margate, and 60°·2 at Newquay to 50°·5 at Aberdeen, and to 49°·5 at Lerwick.

Rainfall exceeded the average in Ireland, the north and east of Scotland, and south-western and central England, but was less elsewhere.

Bright Sunshine was above the average in Scotland and the north-east of England, deficient in all other districts. The percentage of the possible duration ranged from 46 in Scotland E. and 39 in Scotland W. to 24 in England S., 23 in England S.W., and 20 in England E.

Barometer and Wind.—The distribution of pressure was, in its main features, very similar to that of the two preceding weeks, cyclonic systems moving in a north-easterly or easterly direction over the northern parts of the Kingdom and some of their secondaries taking a course further to the southward. The South-Westerly to Westerly winds occasionally blew freshly or strongly on the western and southern coasts, and on Monday there was a strong gale from the North-Westward at Malin Head.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 284.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	Very deficient	Deficient	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Very scanty	Scanty	Very scanty	Moderate	Moderate	Very scanty	Moderate	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 1 week from Sept. 1st.	Warmth ...	0*1	0*1	0*1	0*0	0*1	0*0	0*1	0*1	0*0	0*1	0*1	0*0
	Rainfall ...	1*0	1*0	0*0	0*0	1*0	0*0	0*0	0*0	1*0	0*0	0*0	0*0
	Sunshine ...	1*0	1*0	0*0	0*1	0*1	0*1	0*0	0*0	0*1	0*0	0*1	0*1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2*9	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	7*2	3*2	3*5	1*5	5*4	4*5	5*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	2*7	1*7	2*3	0*5	2*6	3*5	2*6	2*6	1*6	3*3	2*5	2*7

6420/370 Wy. & S. Ltd. 9—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (36th)—September 1st to 7th, 1907.

DISTRICTS. (See p. 283.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	30	55·4	41·3	48·0	− 4·8	45	− 31	2	+2	7	+ 2	1·32	+0·40	35	+ 9	37	+10
Eastern																		
1. SCOTLAND, EAST	66	28	58·8	41·8	49·9	− 4·1	56	− 28	1	+1	5	+ 1	0·93	+0·24	44	+ 13	46	+14
2. ENGLAND, N.E.	71	30	62·3	45·4	53·5	− 2·4	81	− 17	0	0	4	+ 1	0·44	−0·16	34	+ 3	36	+ 3
3. ENGLAND, EAST	75	36	63·7	50·6	56·9	− 0·8	104	− 6	0	0	5	+ 2	0·39	−0·11	19	− 18	21	−19
4. MIDLAND COUNTIES	73	32	62·5	46·8	54·3	− 2·2	86	− 16	0	0	5	+ 2	0·66	+0·15	23	− 10	25	−11
5. ENGLAND, SOUTH	72	44	63·6	52·0	57·5	− 1·3	109	− 9	0	0	5	+ 2	0·55	−0·02	22	− 17	24	−18
Western																		
6. SCOTLAND, WEST	68	30	59·4	44·1	51·3	− 3·3	65	− 24	0	0	4	+ 1	0·84	−0·09	37	+ 4	39	+ 4
7. ENGLAND, N.W.	68	28	60·5	46·7	53·3	− 3·0	79	− 21	0	0	4	+ 1	0·59	−0·11	29	− 3	31	− 3
8. ENGLAND, S.W...	74	31	62·9	49·8	56·1	− 1·4	99	− 9	0	0	6	+ 2	0·99	+0·28	21	− 18	23	−20
9. IRELAND, NORTH	69	35	59·0	45·4	51·9	− 3·3	69	− 24	0	0	5	0	0·96	+0·18	26	− 2	28	− 2
10. IRELAND, SOUTH	72	33	62·0	47·1	54·2	− 2·2	85	− 16	0	0	5	+ 1	0·74	+0·03	24	− 9	26	−10
11. ENGLISH CHANNEL	77	52	65·3	55·7	60·3	+ 0·2	128	+ 1	0	0	4	+ 1	0·51	−0·05	31	− 14	34	−15

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 1 Week, September 1st to 7th, 1907.

0. SCOTLAND, NORTH	65	30	*	*	*	*	45	− 31	2	+ 2	7	+ 2	1·32	+0·40	35	+ 9	37	+10
Eastern																		
1. SCOTLAND. EAST	66	28	*	*	*	*	56	−28	1	+ 1	5	+ 1	0·93	+0·24	44	+ 13	46	+14
2. ENGLAND, N.E...	71	30	*	*	*	*	81	−17	0	0	4	+ 1	0·44	−0·16	34	+ 3	36	+ 3
3. ENGLAND, EAST	75	36	*	*	*	*	104	− 6	0	0	5	+ 2	0·39	−0·11	19	− 18	21	−19
4. MIDLAND COUNTIES	73	32	*	*	*	*	6	−16	0	0	5	+ 2	0·66	+0·15	23	− 10	25	−11
5. ENGLAND, SOUTH	72	44	*	*	*	*	109	− 9	0	0	5	+ 2	0·55	−0·02	22	− 17	24	−18
Western																		
6. SCOTLAND, WEST	68	30	*	*	*	*	65	−24	0	0	4	+ 1	0·84	−0·09	37	+ 4	39	+ 4
7. ENGLAND, N.W...	68	28	*	*	*	*	79	−21	0	0	4	+ 1	0·59	−0·11	29	− 3	31	− 3
8. ENGLAND, SW	74	31	*	*	*	*	99	− 9	0	0	6	+ 2	0·99	+0·28	21	− 18	23	−20
9. IRELAND, NORTH	69	35	*	*	*	*	69	−24	0	0	5	0	0·96	+0·18	26	− 2	28	− 2
10. IRELAND, SOUTH	72	33	*	*	*	*	85	−16	0	0	5	+ 1	0·74	+0·03	24	− 9	26	−10
11. ENGLISH CHANNEL	77	52	*	*	*	*	128	+ 1	0	0	4	+ 1	0·51	−0·05	31	− 14	34	−15

THE YEAR.—Aggregates, &c., for the period of 36 Weeks, December 30th, 1906, to September 7th, 1907.

0. SCOTLAND, NORTH	86	8	*	*	*	*	1320	−252	524	− 19	188	+23	37·18	+7·30	875	− 59	26	− 2
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1487	−377	600	+ 12	149	+12	20·37	+1·17	1026	− 48	30	− 1
2. ENGLAND, N.E.	82	15	*	*	*	*	1923	−125	501	+ 26	132	+ 9	15·07	−0·99	1166	+107	35	+ 3
3. ENGLAND, EAST	81	10	*	*	*	*	2177	−193	518	− 3	124	+ 5	13·76	−1·97	1214	− 51	37	− 2
4. MIDLAND COUNTIES	82	10	*	*	*	*	2064	−274	540	+ 7	134	+16	17·49	+0·25	1090	− 42	33	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	2248	−289	434	+ 53	119	+ 6	14·87	−1·81	1274	− 8	38	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1774	−201	404	− 6	157	+14	33·92	+3·77	1023	− 91	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	1906	−261	418	+ 32	155	+24	23·77	+1·87	1082	− 50	32	− 2
8. ENGLAND, S.W.	82	5	*	*	*	*	2082	−318	396	+ 95	151	+22	23·94	+0·55	1175	−150	35	− 5
9. IRELAND, NORTH	81	16	*	*	*	*	1802	−278	292	− 53	176	+19	28·30†	+3·64	976	− 43	29	− 1
10. IRELAND, SOUTH	85	11	*	*	*	*	2210	−177	256	− 3	168	+29	22·94	−2·97	1061	− 80	32	− 2
11. ENGLISH CHANNEL	78	21	*	*	*	*	2507	−206	96	− 13	128	− 8	15·26	−3·98	1365	−157	41	− 5

† The corresponding value for last week has been slightly altered owing to the receipt of further information.

September 1-7, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	56	37	50·9	40·9	45·7	- 5·6	31	3	7	1·32	+ 0·56	42·4	+ 16·3	45	+ 17
		Stornoway	59	36	54·9	42·4	48·4	- 4·2	45	0	7	1·87	+ 0·94	35·4	+ 7·4	37	+ 8
	Mainland.	Wick	62	37	56·4	41·0	48·3	- 4·6	48	3	7	0·78	+ 0·17	*	*	*	*
		†Lairg (Strathpeffer) ..	65	33	60·7	39·1	49·4	- 2·7	64	8	6	0·69	+ 0·02	37·9	+ 10·6	40	+ 11
		Glencarron	59	36	52·9	41·9	47·1	- 5·2	36	0	7	1·19	- 0·66	*	*	*	*
		Fort Augustus	59	30	56·1	41·2	48·3	- 5·8	47	2	6	1·03	+ 0·15	25·4	+ 5·4	27	+ 6
		Fort William	59	32	55·7	42·8	48·9	- 5·7	48	0	7	2·38	+ 0·79	*	*	*	*
		(West Linton)												46·5	—	50	—
1. SCOTLAND, E.		Nairn	63	35	57·6	41·4	49·1	- 5·0	52	2	5	0·47	- 0·09	44·2	—	47	—
		Aberdeen	65	34	58·7	42·7	50·3	- 3·7	58	0	4	1·09	+ 0·45	40·6	+ 9·8	43	+ 10
		†Balmoral (Crathes) ..	60	28	56·4	38·9	47·2	- 3·8	49	9	6	0·91	+ 0·13	41·7	—	44	—
		†Crieff (Balruddery) ..	64	34	59·4	41·6	50·1	- 4·3	58	1	5	1·14	+ 0·33	47·9	—	51	—
		†Leith (Edinburgh)	66	40	61·3	45·4	53·0	- 2·9	77	0	4	1·39	+ 0·86	37·5	+ 10·4	40	+ 11
		Marchmont	65	35	59·5	40·7	49·7	- 3·8	59	4	4	0·57	- 0·17	50·4	+ 20·5	54	+ 22
		(Saltburn)												48·8	—	52	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	71	30	63·2	43·3	52·8	- 1·6	76	0	4	0·36	- 0·27	43·5	—	46	—
		†Shields (Newcastle)	69	34	60·1	42·9	51·1	- 3·8	64	0	4	0·71	+ 0·19	34·1	+ 8·4	36	+ 9
		Durham	67	30	61·7	43·9	52·4	- 2·8	73	0	4	0·21	- 0·32	40·1	+ 10·4	43	+ 11
		Scarborough	68	38	63·3	46·9	54·7	- 1·5	89	0	3	0·36	- 0·20	37·6	—	40	—
		York	68	33	62·4	42·1	51·8	- 4·8	69	0	3	0·66	+ 0·12	25·3	- 4·8	27	- 5
	Southern part.	Spurn Head	69	45	61·4	50·0	55·4	- 2·2	94	0	4	0·31	- 0·10	*	*	*	*
		†Lincoln (Skegness)	71	39	63·2	47·0	54·7	- 2·7	89	0	5	0·49	- 0·04	29·6	—	32	—
		†Fulbeck (Rauceby)	70	38	63·1	47·2	54·8	- 3·0	90	0	5	0·42	- 0·12	25·0	—	27	—
3. ENGLAND, E.	Northern part.	Hillington	73	41	63·2	48·0	55·4	- 2·0	94	0	5	0·70	+ 0·09	24·1	- 11·3	26	- 12
		†Yarmouth (Lowestoft) ..	69	42	62·6	50·6	56·3	- 1·6	100	0	4	0·23	- 0·32	21·5	—	23	—
		Geldeston	75	36	65·2	47·7	56·0	- 1·7	98	0	3	0·20	- 0·34	17·0	- 22·0	18	- 24
		(Cromer)												26·3	—	28	—
	Southern part.	Cambridge	73	41	63·9	48·2	55·7	- 2·5	96	0	5	0·48	- 0·02	17·8	- 20·1	19	- 22
		Felixstowe	69	45	64·0	53·3	58·4	- 0·2	115	0	4	0·28	—	22·9	—	25	—
		Clacton-on-Sea	68	47	63·1	52·7	57·7	- 1·8	110	0	3	0·26	—	17·4	—	19	—
		Rothamsted	70	44	62·6	49·7	55·8	- 1·3	97	0	5	0·54	- 0·03	20·6	- 16·4	22	- 18
		†Shoeburyness (Southend) ..	70	45	64·7	53·0	58·6	- 1·1	116	0	6	0·31	- 0·11	14·4	—	16	—
		London, Westminster	70	46	64·0	52·1	57·8	- 2·0	111	0	6	0·48	- 0·05	17·0	- 15·2	19	- 17
		(Dunmow)												18·9	—	20	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	67	32	60·2	44·3	51·9	- 3·1	69	0	4	0·98	+ 0·38	30·2	—	33	—
		†Bawtry (Worksop)	73	34	63·7	45·0	53·9	- 2·7	83	0	3	0·30	- 0·20	22·1	- 7·6	24	- 8
		Nottingham	71	38	63·4	46·1	54·3	- 2·8	86	0	5	0·58	+ 0·04	20·1	—	22	—
		Birmingham, Edgbaston ..	71	41	61·4	47·6	54·2	- 2·7	85	0	5	0·90	+ 0·31	11·1	—	12	—
		Oxford	71	45	64·1	50·3	56·9	- 0·7	104	0	5	0·65	+ 0·15	22·9	- 13·9	25	- 15
	Western part.	†Cheadle (Sheffield) ..	67	38	59·8	45·6	52·4	- 2·8	73	0	6	0·78	+ 0·05	30·4	—	33	—
		Shrewsbury	71	36	63·1	45·7	54·0	- 3·6	84	0	6	0·65	—	*	*	*	*
		Hereford	71	38	63·7	47·3	55·1	- 1·9	92	0	5	0·60	+ 0·04	*	*	*	*
		Cirencester	69	40	62·4	45·8	53·7	- 2·4	82	0	5	0·61	- 0·04	20·0	- 15·8	22	- 17
		Bath	71	42	63·0	50·1	56·2	- 1·9	99	0	4	0·50	- 0·15	28·6	—	31	—
		(Margate)												16·2	- 21·6	18	- 24
5. ENGLAND, S.		Kew	71	46	63·4	51·7	57·3	- 1·1	107	0	5	0·45	- 0·05	22·5	- 14·3	25	- 16
		Wisley, Surrey	69	44	64·1	51·1	57·3	- 2·5	107	0	5	0·52	—	20·2	—	22	—
		†Swarraton (Ventnor) ..	68	44	62·5	49·9	56·9	- 0·7	97	0	7	0·51	- 0·13	27·4	- 15·9	30	- 17
		Tunbridge Wells	72	45	63·8	50·3	56·7	- 1·0	103	0	5	0·47	- 0·09	20·3	- 19·3	22	- 21
		†Dungeness (Littlestone) ..	68	46	63·7	53·7	58·5	- 0·8	116	0	4	0·64	+ 0·14	20·8	—	23	—
		Hastings	72	46	63·9	52·8	58·1	- 1·4	113	0	5	0·63	+ 0·04	27·7	- 14·8	30	- 16
		Southampton	71	47	65·4	52·7	58·8	- 0·7	115	0	6	0·44	- 0·16	21·5	- 19·7	23	- 21
		†Portland Bill (Worthing) ..	67	46	61·7	53·6	57·5	- 2·9	109	0	6	0·71	—	24·1	—	26	—
		(Eastbourne)												31·0	- 10·6	34	- 12
6. SCOTLAND, W.		Laudale	61	36	57·4	44·6	50·7	- 3·8	61	0	7	1·19	- 0·37	*	*	*	*
		Poltalloch	62	30	58·9	39·7	48·8	- 6·5	57	6	7	1·80	+ 0·63	*	*	*	*
		Glasgow	63	37	57·8	44·9	51·0	- 3·1	63	0	5	1·10	+ 0·20	37·0	+ 11·0	39	+ 12
		Rothesay	64	38	60·0	45·6	52·5	- 2·8	74	0	6	2·09	+ 1·03	*	*	*	*
		Dumfries	67	30	62·2	43·6	52·5	- 3·6	74	0	3	0·56	- 0·24	*	*	*	*
		Cally	68	30	59·7	42·5	50·7	- 3·3	61	0	3	0·42	- 0·37	*	*	*	*
		Douglas, Isle of Man	65	32	59·7	44·7	51·8	- 3·5	69	0	4	0·92	+ 0·03	35·9	+ 0·1	39	0
7.	ENGLAND, N.W.	Aspatria	64	37	59·6	44·1	51·5	- 3·5	67	0	4	0·41	- 0·54	41·3	—	44	—
		Newton Rigg	65	28	59·0	42·3	50·3	- 3·4	58	0	4	0·34	- 0·44	40·2	+ 9·3	43	+ 10
		Stonyhurst	64	33	59·3	45·7	52·2	- 3·1	71	0	3	1·04	- 0·06	32·6	+ 1·3	35	+ 1
		Blackpool	65	33	59·4	46·3	52·5	- 4·1	74	0	3	0·76	- 0·05	35·0	+ 2·5	38	+ 3
		Manchester, Prestwich ..	68	34	61·9	45·1	53·1	- 3·0	78	0	5	0·92	+ 0·06	23·2	- 4·4	25	- 5
		†Liverpool Obs. (Hoylake)	67	42	60·9	49·1	54·7	- 2·5	89	0	3	0·51	- 0·17	26·9	—	29	—
		†Hawarden Bridge (Southport)	68	36	62·8	49·0	55·6	- 2·1	95	0	5	0·29	- 0·27	26·7	- 7·3	29	- 8
	NORTH WALES	Llandudno	65	40	61·6	49·6	55·3	- 2·7	93	0	3	0·18	- 0·46	26·5	- 6·3	29	- 7
		†Holyhead (Aberdovey) ..	64	42	59·6	49·4	54·3	- 3·0	86	0	5	0·85	+ 0·17	16·9	—	18	—
		Bettws-y-Coed	67	33	60·9	46·4	53·3	- 4·1	79	0	6	0·61	—	18·5	—	20	—
		(Aberystwyth)												15·7	—	17	—
8.	SOUTH WALES	Llangammarch Wells	66	31	60·7	43·3	51·6	- 4·1	67	0	7	0·74	—	18·0	—	19	—
		Pembroke	63	42	59·9	50·4	54·9	- 2·5	90	0	5	2·05	+ 1·34	19·7	- 18·3	21	- 20
		Cardiff	70	39	63·6	47·7	55·3	- 2·9	93	0	6	0·98	+ 0·04	21·4	—	23	—
	ENGLAND S.W.	Clifton	70	41	64·6	50·8	57·4	- 1·2	108	0	5	0·62	- 0·12	27·2	—	30	—
		†Shaftesbury (Marlborough)	67	41	62·0	48·7	55·0	- 1·9	91	0	6	0·59	- 0·07	15·4	- 19·3	17	- 21
		†Arlington (Newquay)	67	41	62·1	48·6	55·0	- 1·2	91	0	7	1·23	+ 0·13	22·5	- 18·6	25	- 20
		Cullompton	74	42	66·4	49·9	57·8	- 0·2	111	0	5	0·57	- 0·09	20·8	- 16·5	23	- 18
		Plymouth	66	47	63·2	53·9	58·3	- 0·5	114	0	7	1·20	+ 0·52	21·5	- 18·5	23	- 20
		Falmouth	67	49	63·7	55·2	59·3	+ 1·1	121	0	6	0·91	+ 0·07	20·0	- 22·3	22	- 24
		(Torquay)												27·2	- 13·8	30	- 15
9. IRELAND, N.	Western part.	Malin Head	63	43	56·7	46·1	51·2	- 4·4	64	0	6	0·39	- 0·33	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	62	42	58·3	48·0	52·9	- 3·5	76	0	7	1·40	+ 0·40	*	*	*	*
		Markree Castle	69	35	59·4	43·7	51·2	- 3·2	64	0	5	1·27	+ 0·38	24·9	- 1·6	27	- 2
	Eastern part.	Armagh	68	36	59·5	43·6	51·2	- 3·6	64	0	5	0·89	+ 0·18	26·9	- 1·0	29	- 1
		Donaghadee	67	38	60·9	45·6	52·9	- 2·5	76	0	4	0·84	+ 0·14	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	68	39	61·2	47·9	54·2	- 2·9	85	0	5	0·51	- 0·12	28·5	- 6·0	31	- 7
		Kilkenny	68	33	61·4	42·1	51·3	- 5·0	65	0	5	0·89	+ 0·21	*	*	*	*
		Waterford	66	36	61·6	45·4	53·1	- 3·5	78	0	5	0·69	- 0·09	*	*	*	*
	Western part.	Birr Castle	68	34	60·9	43·7	51·9	- 3·7	69	0	4	0·82	+ 0·08	18·4	- 12·2	20	- 13
		Foynes	66	39	62·5	48·9	55·4	- 1·1	94	0	7	0·84	+ 0·08	*	*	*	*
		Killarney	72	43	64·6	48·9	56·4	- 0·6	101	0	5	0·51	- 0·45	*	*	*	*
		Valencia	65	45	62·6	50·4	56·2	- 1·2	99	0	4	1·06	- 0·01	26·5	- 5·3	29	- 6
		†Roches Point (Ballinacurra) ..	64	42	61·1	49·6	55·1	- 2·3	92	0	5	0·57	- 0·28	21·8	—	24	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	66	54	63·0	55·3	59·0	- 0·3	119	0	5	0·56	- 0·10	22·7	- 21·1	25	- 23
		†Jersey, St. Aubins (St. Heliers)	77	52	67·3	56·1	61·4	+ 0·2	136	0	4	0·45	- 0·19	35·4	- 11·6	39	- 13
		Guernsey	74	53	65·5	55·7	60·4	+ 0·3	129	0	4	0·52	- 0·15	35·7	- 10·9	39	- 12

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 18·1 hrs., 20 %; Brighton, 23·7 hrs. (- 19·0), 26 % (- 21 %); Bournemouth, 22·9 hrs., 25 %; Bognor, 26·3 hrs., 29 %; Rhyl, 29·0 hrs., 31 %; Tenby, 18·5 hrs. (- 20·4), 20 % (- 22 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·5
	Crathes	2	24	52·4	53·0
	Balmoral	3	21	—	—
	Marchmont ..	1	29	51·9	—
2.	Cockle Park	1	28	52·4	52·6
	York	—	—	55·9	55·5
	Hull	1	28	54·9	55·0
	Lincoln	—	—	57·4	56·1
3.	Lowestoft	—	—	59·2	58·5
	Cambridge	0	34	59·1	58·6
	Dunmow	0	41	—	—
	Clacton-on-Sea ..	0	38	58·8	58·9
4.	Harrogate	1	28	53·1	53·4
	Sheffield	0	32	56·3	55·0
	— — ..				
	Birmingham	0	35	53·1	52·9
	Nottingham	0	36	56·1	57·3
	— — ..				
5.	Kew	0	40	59·5	58·0
	Canterbury	0	40	59·1	59·0
	Portsmouth	0	43	61·3	60·3
	Wisley	0	38	59·9	58·9
6.	Glasgow	2	29	—	—
	Rothesay	—	—	—	53·3
	Dumfries	3	26	—	—
	Douglas	1	28	—	—
7.	Newton Rigg ..	2	24	54·3	54·2
	Southport	1	28	57·9	59·0
	Manchester City ..	0	32	55·7	56·6
	Bettws-y-Coed ..	0	32	53·9	54·0
	— — ..				
8.	Llangammarch Wells	1	26	56·6	55·0
	Bath	—	—		
	Plymouth	0	43	60·5	—
	— — ..				
9.	Armagh	1	30	55·5	56·3
	Markree Castle ..	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	31	55·8	56·6
11.	Guernsey, Brooklyn	0	47	62·2	61·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	49	49·5
	Kirkwall	53	48	51·0
	Wick	52	51	51·6
SCOTLAND, E.	Cromarty	53	50	51·9
	Pennan Bay	54	51	52·6
	Aberdeen, Cove Bay ..	52	49	50·5
ENGLAND, N.E.	Burnmouth, Berwick ..	55	48	51·9
	Scarborough	60	48	52·8
ENGLAND, E.	Shipwash Lightship ..	61	60	60·3
	Margate	63	59	60·8
ENGLAND, S.E.	Eastbourne‡	63	60	62·0
SCOTLAND, W.	Lamlash	55	53	54·0
	Ballantrae	54	51	52·6
ENGLAND, N.W.	Port Erin	56	55	55·2
ENGLAND, S.W.	Newquay	61	60	60·2
	Plymouth‡	60	59	59·1
	Salcombe	60	58	58·7
IRELAND, N.W.	Sheephaven	59	56	57·1
	Ballyglass	60	54	56·3
IRELAND, S.W.	Cleggan	58	54	56·3
	Seafield	62	54	59·1
IRELAND, E.	Kingstown‡	—	—	—

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

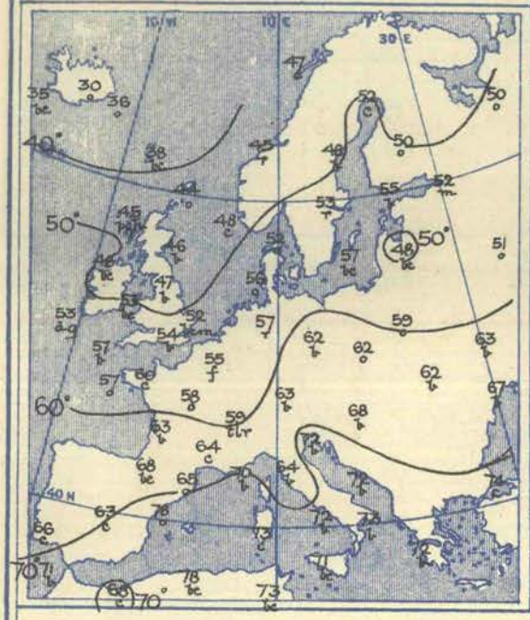
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

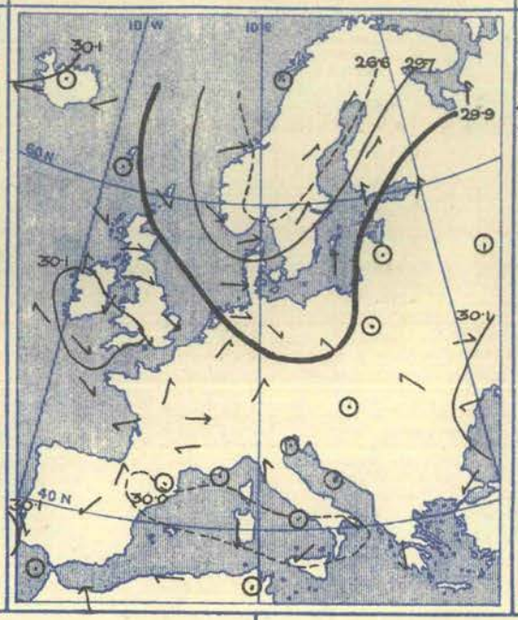
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 1st September, 1907.

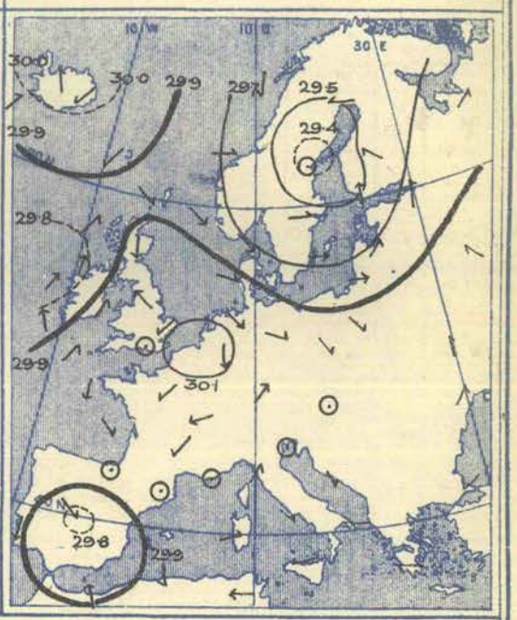
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but dull in places and rainy in a few northern localities, as well as in southern Ireland. Rain experienced later in most parts of these Islands and in northern Europe; amounts heavy in places—an inch at Stornoway and about 0·8 in. in the north of Sweden.

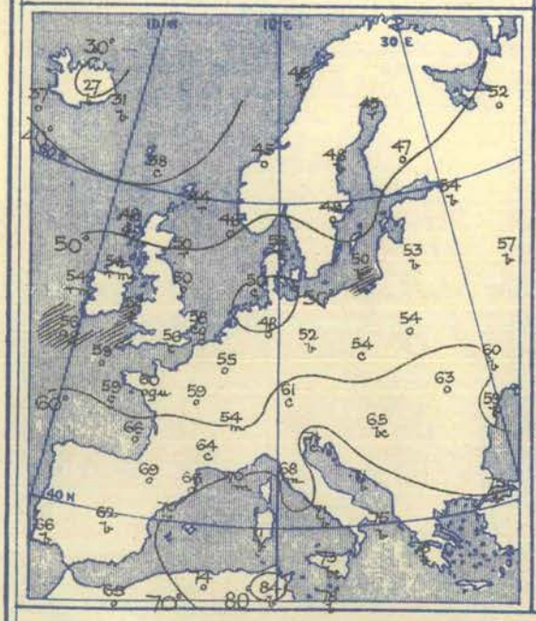
Temperature fallen in the United Kingdom and its neighbourhood. Readings in morning above 70° at many stations in the far south of our area, and above 60° at some places in central Europe; below 50° in many regions further north, including various parts of these Islands. Maxima during day below 60° at most of our own stations, but above 80° at some stations in the central countries and over the Mediterranean region, and only a little lower than 90° in places.

Wind in morning light and variable over a very large portion of our area, but mainly anticyclonic in the south and west, and cyclonic in the north. Increasing greatly from the Southward during day on all our western coasts, and cyclonic circulation over northern Europe becoming more decided. North-Westerly current rising to a high wind at Skagen, and a Westerly gale springing up at Wisby.

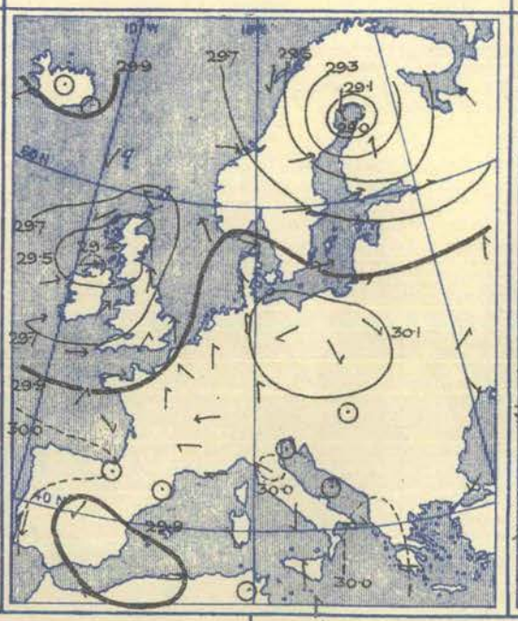
Barometer in morning above 30·2 ins. over southern Russia, and above 30·1 ins. over the south-western districts of these Islands. Below 29·6 ins. in a large depression over Scandinavia. Latter system growing much deeper during day, and gradients increasing quickly in its vicinity. A fresh depression appearing off our own western coasts and barometer falling very briskly in Ireland. Pressure decreasing decidedly over the south of Russia. Highest readings at 6 p.m. found over the Low Countries.

Monday, 2nd September, 1907.

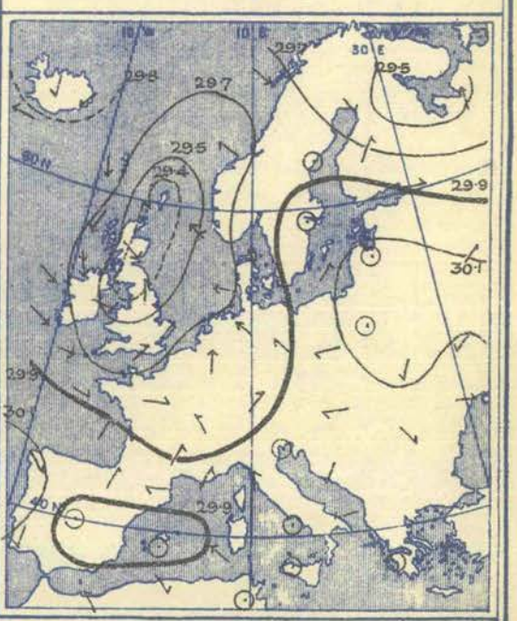
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most of the southern and central regions, but dull in the south of France and rainy at Barcelona. Unsettled over the United Kingdom and in most parts of northern Europe, with rain in several localities. Thunderstorms later at some French stations, and more or less rain over the western and northern countries generally. As much as 3·0 ins. at Biarritz and more than 1·0 in. at Barcelona and Leith.

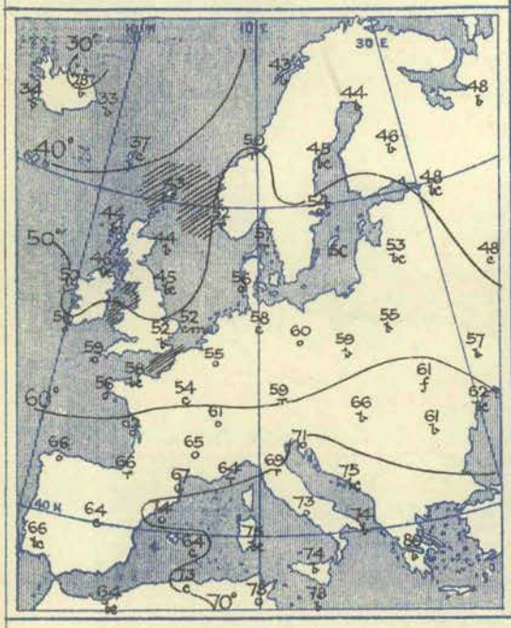
Temperature showing no general or decided change—risen in these Islands. Readings in morning about 60° in various parts of central Europe and the south of this country; above 70° at many southern stations, and above 80° at Tunis. Below 50° over a very large portion of northern Europe and below 30° at Grimstadir. Rising during day to 97° at Tunis, 90° at Athens, and to above 80° in many southern regions. Maxima not much above 60° in any part of these Islands, and below it in places.

Wind in morning showing two complete cyclonic circulations—one over these Islands and the other over the north of Europe. Westerly and South-Westerly currents fresh or strong on our western coasts, and a strong Westerly wind to a strong gale blowing over the south of Scandinavia. Light anticyclonic airs prevailing over the central regions of our area. Increasing to a gale from the Northward on the north coast of Ireland later, and blowing strongly from between North and North-West on our west coasts generally. Gale ceasing in Scandinavia and wind backing.

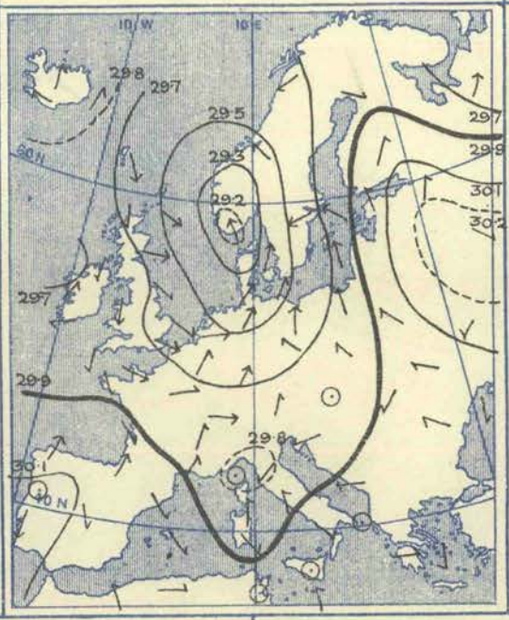
Barometer in morning ranging from above 30·1 ins. in an anticyclone over Germany and Poland. Below 29·4 ins. in a depression centred near Malin Head, and below 29·0 ins. in another system having its minimum over the extreme north of the Gulf of Bothnia. Former disturbance moving eastwards and undergoing much modification in form during day, and the latter travelling to the neighbourhood of the White Sea and apparently becoming less deep. Pressure increasing rather decidedly along our west and north-west coasts.

Tuesday, 3rd September, 1907.

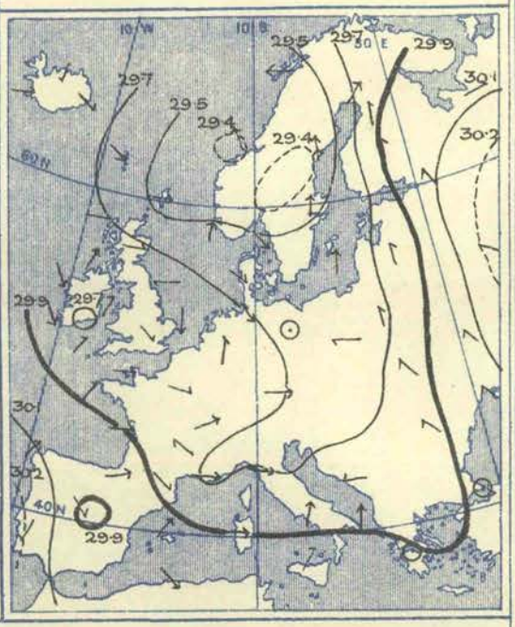
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning changeable and unsettled over our area as a whole, but fine in the extreme south-west, south, and south-east of our area, as well as in several localities elsewhere. Rain falling in some parts of England and Norway, and also in the north of Italy and at Munich and Biarritz. Rain experienced subsequently in nearly all parts of Europe; amounts heavy in many regions both in the southern countries and over these Islands; 2·0 ins. at Florence and 1·3 in. at Pembroke.

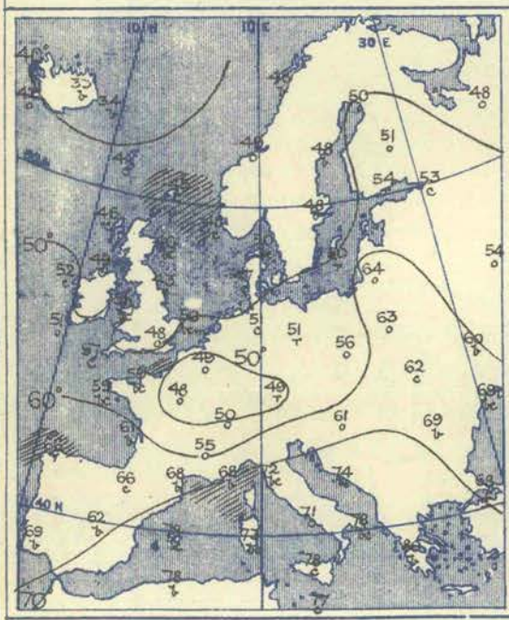
Temperature fallen very generally. Readings in morning below 50° over the major portion of these Islands and at many stations over the northern regions of the Continent; above 70° over a large part of the Mediterranean region and as high as 80° at Patras. Thermometer rising to 99° at Malta during day, to 92° at Brindisi, 90° at Athens, and to 88° at Madrid. Maxima below 60° in nearly all parts of this country, and only 49° at North Shields and Wick. Minima during succeeding night very low over England and Scotland.

Wind in morning showing a very extensive cyclonic movement over the northern and north-western countries. Northerly to North-Westerly current moderate on most of our own coasts, but strong winds or gales from the Southward prevailing over the Baltic region. Strong winds or gales continuing all day over the south of Scandinavia. A separate cyclonic movement setting later over our south-western and western districts.

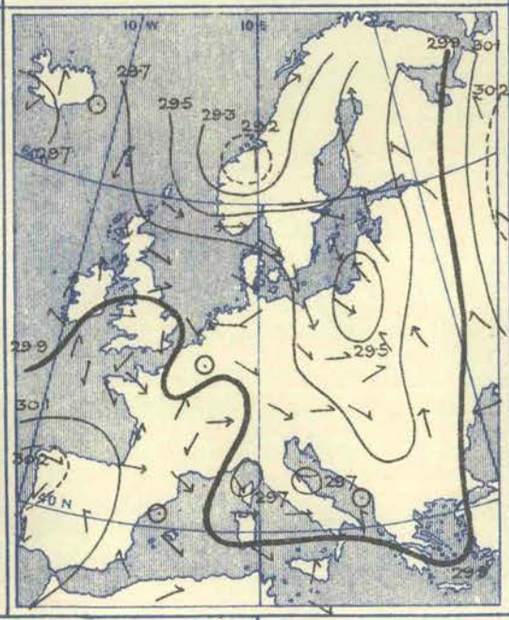
Barometer in morning above 30·2 ins. over central Russia and above 30·1 ins. in Portugal; decreasing to below 29·7 ins. off our north-west coast, and to less than 29·2 ins. in a depression having its central space near Skudesnaes. Relatively low in a shallow disturbance over northern Italy. Another disturbance appearing over Ireland from the Atlantic by evening, and a well marked system apparently forming over central Europe.

Wednesday, 4th September, 1907.

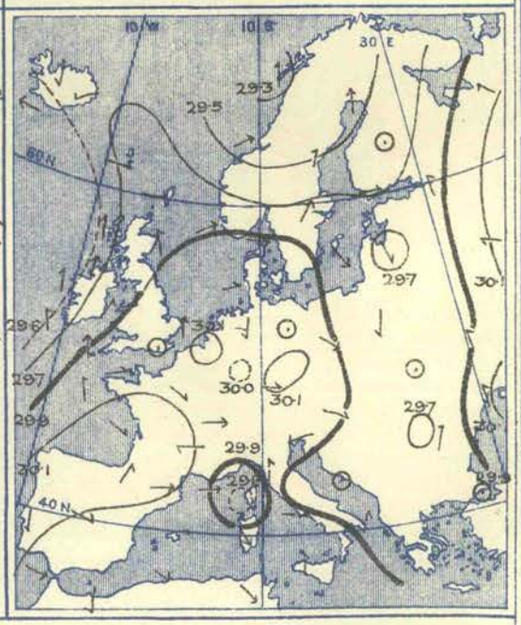
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most regions, but cloudy or overcast in places, and rainy at some stations in Germany and the Low Countries, as well as at Helsingfors and Le Mans. Rain experienced later in most parts of our area; amounts heavy in many regions in central and northern Europe.

Temperature risen in several localities in northern Europe, fallen generally in the south. Readings in morning below 50° over the major portion of these Islands and the adjacent part of the Continent. Below 60° over Europe as a whole, but above it in the far south, and above 70° at some stations. Rising during day to 102° at San Fernando and Athens, and to above 90° in some other southern localities. Maxima below 60° at many of our own stations, as well as in Germany.

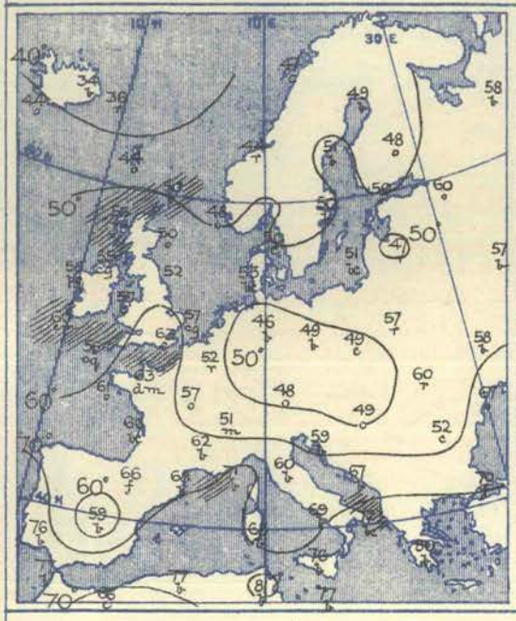
Wind in morning showing three separate cyclonic circulations; light or moderate in force generally, but a Westerly gale blowing at Skudesnaes and a fresh or strong breeze in some other places. Backing towards South on our west and north-west coasts during day and increasing somewhat in strength. Increasing in force from the Westward over the south of Sweden.

Barometer in morning above 30·2 ins., both in the south-west and north-east of our area. Below 29·7 ins. in a depression over the Gulf of Genoa, below 29·5 in another system over East Prussia and its neighbourhood, and less than 29·2 ins. in a third disturbance having its centre near Christiansund. A fresh and decided fall of the barometer setting in during day on our western coasts, and gradients increasing over our western districts generally.

Thursday, 5th September, 1907.

Temperature and Weather.

8 a.m.

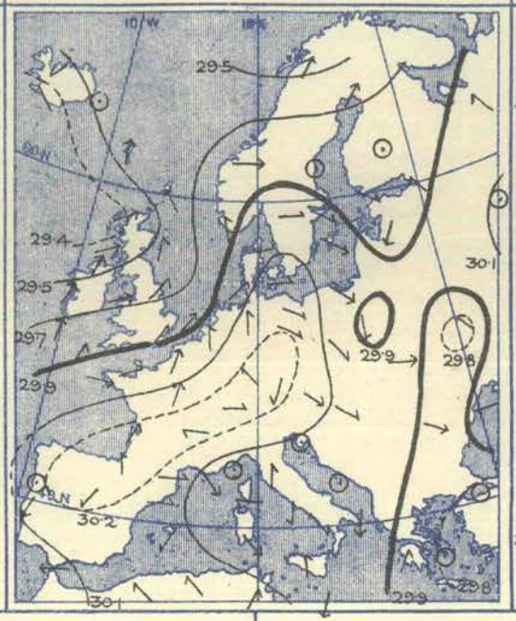


Weather in morning rainy in some parts of these Islands and the adjacent regions of the Continent, and also in Poland and at Riga and Christiansund. Fair or fine in nearly all southern and eastern districts. Very heavy rain falling later at some stations in the south of Russia, and smaller quantities in various parts of central Europe and the United Kingdom as well as in Norway.

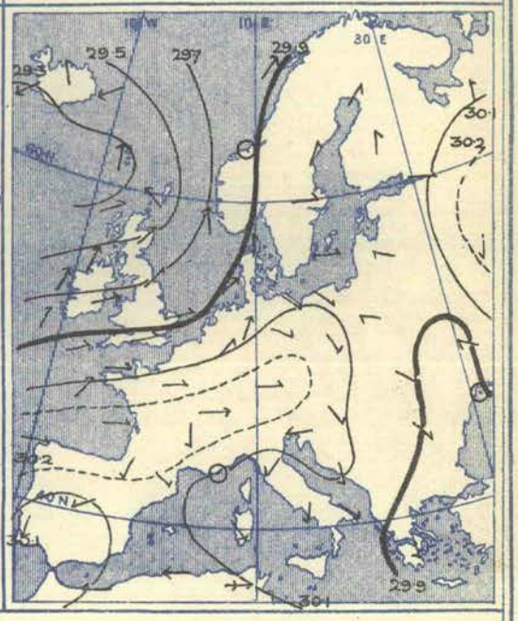
Temperature risen very decidedly over these Islands and France, fallen over central Europe. Readings in morning above 60°, or only slightly below it, over a large portion of this country, below 50° in Germany and Austria, and in most parts of northern Europe. Above 60° very generally in the south, and as high as 77° at Palma and 80° in Greece. Thermometer rising to 91° at Madrid during day, and to nearly as high a point in some other southern regions. Maxima below 60° in several parts of Germany and Austria, but nearly 70° in England.

Barometer and Wind.

8 a.m.



6 p.m.



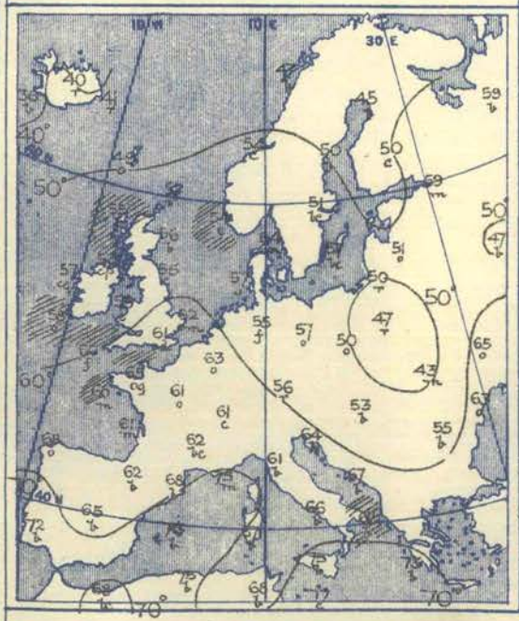
Wind in morning South-Westerly over our Islands, Southerly at Thorshavn, and South-Easterly in Iceland. Westerly over the most northern countries of the Continent, and generally cyclonic in all other regions except France and Germany. Fresh to strong in force in some exposed places both at home and on the Continent, and high at Thorshavn. No general change occurring later.

Barometer in morning ranging from above 30·2 ins. in an elongated system covering parts of France, Spain, and Germany, and above 30·1 ins. in central Russia, to below 29·4 ins. in a large depression beyond the north-west of Scotland. Relatively low in other disturbances in the far north of Norway and towards the south and south-east of our area. Barometer rising over our Islands during day, and depression travelling slowly in a north-easterly direction.

Friday, 6th September, 1907.

Temperature and Weather.

8 a.m.

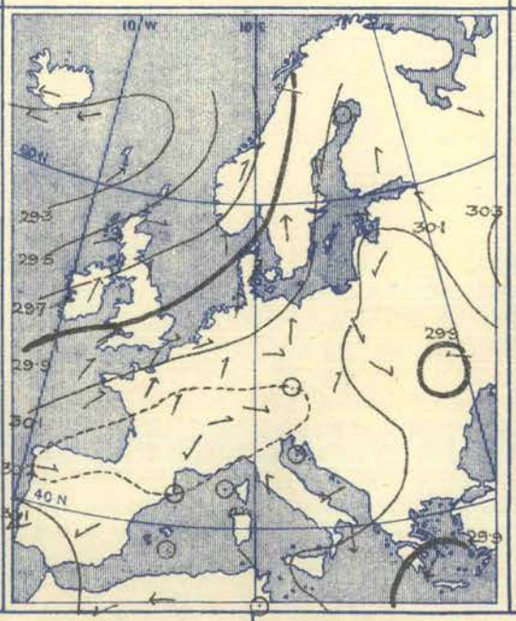


Weather in morning fair or fine in nearly all the southern countries, as well as in Scotland and Sweden; cloudy or overcast in most other regions, with rain in the south of England, at some stations on the Continent, and in the north and east of Iceland. A little rain falling later in various parts of these Islands and at some places in the nearer countries of the Continent, but conditions dry generally.

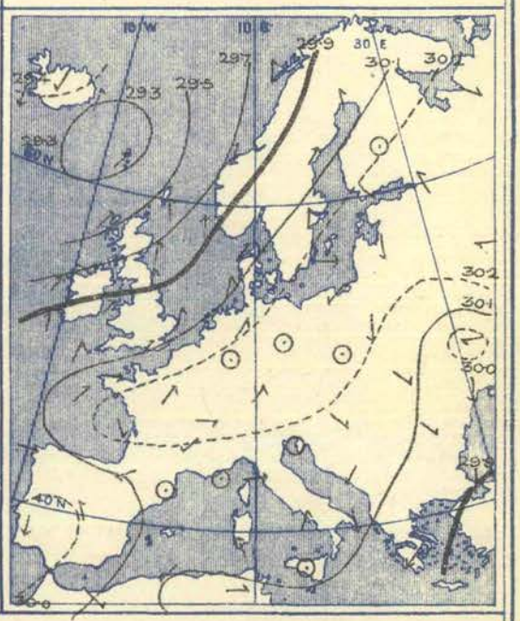
Temperature risen in most parts of central and northern Europe, changed little or fallen in the south. Readings in morning ranging from above 70° at many southern stations to about 60° over England, below 50° in northern Scandinavia, and to less than 40° at some places in Iceland. Maxima during day about 70° over a considerable portion of England, but much lower in many German and Austrian localities. Thermometer rising to 90° or rather higher in some places in the extreme south, and to above 80° over the Mediterranean region generally.

Barometer and Wind.

8 a.m.



6 p.m.

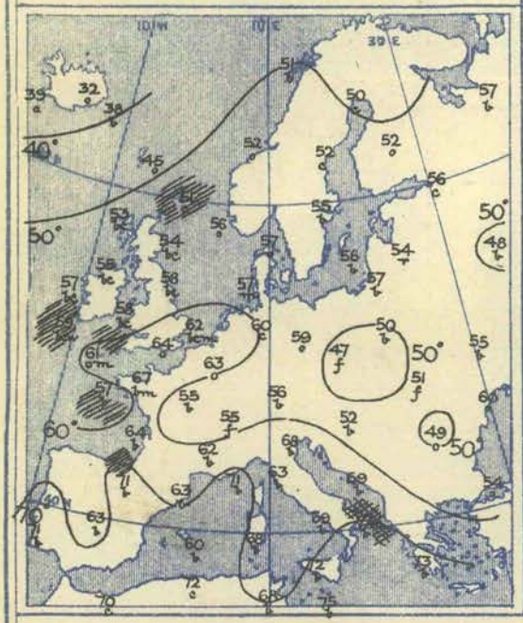


Wind in morning South-Westerly to Southerly over these Islands and Scandinavia, and drawing into the Eastward in Iceland. Light or moderate generally, but fresh or strong on our north-west coasts: A light anticyclonic circulation prevailing over the central countries, and cyclonic winds in the south-east of our area. South-Westerly and Westerly current increasing to a high wind on our extreme north-west coasts by evening. No change of a general character.

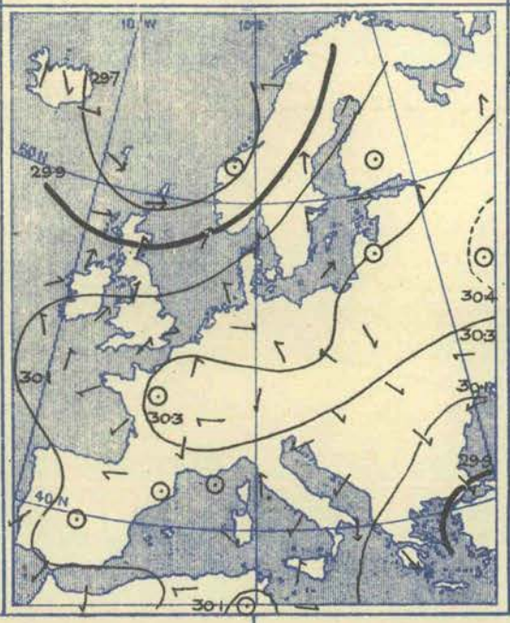
Barometer in morning above 30·2 ins. in an elongated high pressure system extending from the north-west of Spain to Bohemia, and rather higher in the centre of Russia. Below 29·9 ins. in a depression over Little Russia, and below 29·3 ins. in a large disturbance having its minimum between the Faeroe and Iceland. Scarcely any change in the general distribution occurring later in day. Barometer falling somewhat over the Spanish Peninsula and the south-west of France, rising slowly over England and Ireland.

Saturday, 7th September, 1907.

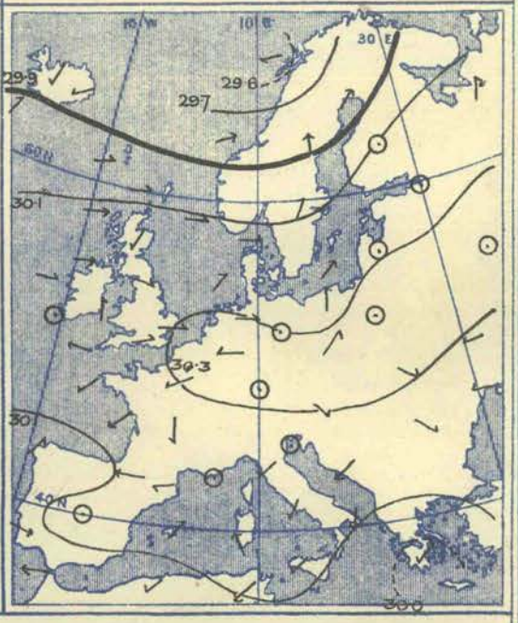
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but rainy at one or two places in England and Wales, and also at Riga and Toulouse, and foggy at several stations in central Europe. Slight rain later at a few stations in these Islands and Germany, and larger quantities in Norway. Conditions very dry generally.

Temperature showing no decided change. Readings in morning 60° or rather higher in many parts of England and the adjacent parts of the Continent. About 10° lower in some localities in central Europe, but above 65° in the south and above 70° at many stations. Thermometer below 40° throughout Iceland. Rising to 102° at Le Mans during day, to 95° at Bilbao and Rochefort, and to 90° over a large portion of France. Maxima above 80° in various parts of Italy, and about 70° over the south and south-east of England.

Wind in morning light from between South-West and West over these Islands, and moderate from the South-Westward over Scandinavia. Light and rather variable breezes prevailing over the central and southern countries. Little change in direction during day, but South-Westerly wind increasing somewhat in force in various parts of Scandinavia.

Barometer in morning above 30·4 ins. in central Russia, and above 30·3 ins. in an anticyclonic band extending thence to France. Below 29·9 ins. in the extreme south-east of our area, and below 29·7 ins. in a large disturbance having its minimum between Norway and Iceland. A very general rise of the barometer taking place during day over these Islands and the regions immediately to the northward. Northern depression travelling on to the north-west of Norway, and pressure increasing again in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,329 / 2,500	10,000 / 3,000	Remarks.
1907. Sept. 1st, 10.22 a.m. to 10.53 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								† At 3,500 m. W by N, 35; at 4,000 m. W, 36; at 4,500 m. W by S, 44; backing to WSW still higher.
		Humidity								
		Wind Velocity, m. per hr.	NNE, 5	NNE, 10	WNW, 10	NW by W, 11	WNW, 15	WNW, 18	W by N, 31	
Sept. 4th, 11.2 a.m. to 11.8 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon, two theodolites; wind very light from NE up to cloud level at 3,000 ft. Cu.
		Humidity								
		Wind Velocity, m. per hr.								
Sept. 4th, 11.40 a.m. to 12.25 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	66°	61°	54°					One kite, 54 sq. ft., 5,000 ft. wire. Max. ht. 4,000 ft. Humidity 90 % at 3,000 ft.; 70 % at 4,000 ft. Lowest temp. 51° at 4,000 ft. Strong wind in the morning, dropping. Overcast.
		Humidity	70%	80%	80%					
		Wind Velocity, m. per hr.	SW by W, 15	SW by W, 30	SW by W, 35					
Sept. 4th, 6.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Registering balloon; two theodolites. Ascensional velocity 650 ft. per min. Lost in clouds at about 10,000 ft. Overcast.
		Humidity								
		Wind Velocity, m. per hr.	S, 5	SW by S, 11	SSW, 20	SW, 18	WSW, 15	WNW, 24	WNW, 40	
Sept. 4th, 5.4 p.m. to 5.20 p.m.	Ditcham Park, Petersfield. 550 ft.	Temperature F.								*Ballon-sonde*. Observed for ten min. with two theodolites; subsequent rate of ascent assumed as 440 ft. per min. A.-S. not reached. Balloon seen to burst at 7,000 ft., about 2½ miles E by N. Not yet recovered.
		Humidity								
		Wind Velocity, m. per hr.	SW ½ S, 16	SW ½ S, 16	SW, 8	W, 12	W by N, 25			
Sept. 5th, 10.15 a.m.	Brighton, 380 ft.	Temperature F.	61°	55°	52°					One kite, 54 sq. ft. Lower clouds 570 ft. Upper clouds 2,300 ft. Stratus. Drizzle at times. Humidity dropped to 75% at 750 ft.
		Humidity	95%	95%	? 95 %					
		Wind Velocity, m. per hr.	W by S, 25*	—, 35	W ?, 30					
Sept. 5th, 11.24 a.m. to 12.45 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	66°	60°	57°					One kite, 77 sq. ft., 6,150 ft. wire. Max. ht. 4,100 ft., temp. 56°. Inversions of 1° or less at 2,300 ft. (with veering of wind), 3,300 ft. and 4,100 ft. Scud from WSW at 1,700 ft. or lower. Traces defective, but indicate considerable increase in wind at greatest ht., and decrease of humidity.
		Humidity	—%	—%	—%					
		Wind Velocity, m. per hr.	SW by W,—	—	W by S, —					
Sept. 5th, 2.38 p.m. to 4.10 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	61°	57°	50°	43°	38°			One kite, 77 sq. ft.
		Humidity	80%	80%	90%	90%	100%			
		Wind Velocity, m. per hr.	W by S, —	W, 34	W, 35	W, 36	W by N, 37			
Sept. 5th, 6.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Registering balloon; two theodolites. Lost in clouds after 16 min. Readings of second theodolite doubtful after 4 min. Overcast. Cloud level, 10,000 ft.
		Humidity								
		Wind Velocity, m. per hr.	SW, 10	WSW, 28	W by S, 40	W by S, 49	W, 50	W by N, 47	W, 65	
Sept. 5th, 6.53 p.m.	Ditcham Park, Petersfield,									§ *Ballon-sonde*; fell near Andruicq, Pas de Calais, 132 miles E ¼ S.
Sept. 6th, 7.0 p.m.	Ditcham Park, Petersfield,									§ *Ballon-sonde*; fell at Horsmonden, Kent, 62 miles N by E.
Sept. 6th, 10.56 a.m. to 12.28 a.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	61°	59°	58°	52°				§ Two kites, 130 sq. ft. Max. wire, 5,710 ft; max. ht. 4,800 ft. Clouds at about 500 ft. Inversion of 1° F. at 1,960 ft., with increase of wind from 28 to 31 m. per hr.
		Humidity	—%	—%	—%	—%				
		Wind Velocity, m. per hr.	SW,—	—, 28	—, 31	—, 40				
Sept. 6th, 4.45 p.m.	Brighton, 380 ft.	Temperature F.	61°	56°	[56°]					One kite, 54 sq. ft. Wet fog. Max. ht., 2,850 ft. No temp. change above 1,660 ft. Wind direction at top obtained from wire.
		Humidity	100%	100%	[90%]					
		Wind Velocity, m. per hr.	W, 25 *	—, 30	[WSW, 35]					

* Estimated. † Pilot balloon; uniform ascensional velocity of 500 ft. per min. assumed.

§ September 5th and 6th, thick fog on hill tops all day; kites and balloons invisible almost at once, except on 5th, when kite occasionally seen. Highest inversion possibly greater than indicated, as kite only just reached it and then dived.

63, Victoria Street, London, S.W. *September 11th, 1907.* W. N. SHAW, *Director.*

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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 37. THIRTY-SEVENTH WEEK, ENDING SATURDAY, SEPTEMBER 14TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was very fine and bright over Great Britain, but in Ireland there was much cloud. Aurora was observed in various parts of Scotland on Tuesday evening as well as at Southport, Norwich and Dunmow, and lightning occurred at the same time in several isolated places Thunderstorms were experienced at Poltalloch and Armagh on Tuesday, and thunder only at Glasgow and Dumfries on Wednesday.

Temperature was above the average, the excess ranging from about 1° in Scotland E. to nearly 4° in Ireland S. The highest of the maxima were recorded on rather irregular dates, and varied from 87° in Scotland N. (at Lairg on Tuesday) to 74° in Ireland N. The lowest of the minima, which mostly occurred about the middle of the week, ranged from 33° in Scotland N. and E. to 48° in Ireland S. and to 51° in the English Channel. The lowest grass minima reported were 25° at Balmoral and 29° at Crathes.

Mean Temperature of the Sea.—The water was warmer than during the preceding week at most of the stations. The actual figures varied from 62°·7 at Eastbourne, 62°·1 at Margate and 61°·3 at Seafield to 50°·2 at Aberdeen, and to 49°·8 at Lerwick.

Rainfall was everywhere less than the average. Over practically the whole of England the weather was rainless.

Bright Sunshine was much above the average in England and Scotland, below it in Ireland and the English Channel. The percentage of the possible duration ranged from 67 in England E., 66 in England S. and 63 in England S.W. to 44 in Scotland W. and to only 27 and 23 respectively in the Irish districts.

Barometer and Wind.—During the first half of the week the centre of a large and well-formed anticyclone travelled slowly from these Islands to beyond the North Sea, accompanied by light winds from some Easterly point in the south and by South-Easterly and Southerly to South-Westerly winds in the west and north. Our north-western and northern districts came under the influence of large disturbances moving from Iceland to northern Europe, but by the end of the week another anticyclone extended from the Atlantic to the North Sea, the barometer became high and uniform over England, and the winds light and rather variable.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 292.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Light	Light	Very light	Very light	Very light	Very light	Light	Light	Very light	Light	Light	Very light
	Sunshine ...	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 2 weeks from Sept. 1st.	Warmth ...	1 * 1	0 * 1	1 * 1	1 * 0	1 * 1	1 * 0	1 * 1	1 * 1	1 * 0	1 * 1	1 * 1	1 * 0
	Rainfall ...	1 * 1	1 * 1	0 * 1	0 * 1	1 * 1	0 * 1	0 * 1	0 * 1	1 * 1	0 * 1	0 * 1	0 * 1
	Sunshine ...	2 * 0	2 * 0	1 * 0	1 * 1	1 * 1	1 * 1	1 * 0	1 * 0	1 * 1	0 * 1	0 * 2	0 * 1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 291.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	THE WEEK (37th)—September 8th to 14th, 1907.																	
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	87	33	62·3	45·7	53·6	+ 1·3	81	+ 9	0	0	4	0	0·27	−0·58	41	+ 15	45	+16
Eastern																		
1. SCOTLAND, EAST	78	33	64·5	44·9	54·2	+ 0·9	85	+ 5	0	0	2	− 1	0·15	−0·35	52	+ 22	57	+25
2. ENGLAND, N.E.	79	39	66·8	47·8	56·9	+ 1·9	104	+ 12	0	0	0	− 3	0·00	−0·46	55	+ 25	61	+27
3. ENGLAND, EAST	78	37	67·8	49·8	58·4	+ 1·6	115	+ 11	0	0	0	− 2	0·00	−0·41	60	+ 23	67	+26
4. MIDLAND COUNTIES	76	37	69·2	46·9	57·5	+ 1·8	109	+ 13	0	0	0	− 2	0·00	−0·40	51	+ 19	57	+21
5. ENGLAND, SOUTH	78	41	70·0	51·3	60·2	+ 2·2	127	+ 15	0	0	0	− 2	0·00	−0·44	58	+ 20	66	+23
Western																		
6. SCOTLAND, WEST	76	40	64·5	48·0	55·9	+ 1·8	97	+ 12	0	0	3	− 1	0·21	−0·57	40	+ 8	44	+ 9
7. ENGLAND, N.W.	80	40	67·4	50·3	58·4	+ 2·7	115	+ 19	0	0	1	− 2	0·02	−0·55	45	+ 13	50	+14
8. ENGLAND, S.W...	76	40	68·6	51·8	59·8	+ 2·9	125	+ 21	0	0	0	− 2	0·00	−0·57	56	+ 18	63	+26
9. IRELAND, NORTH	74	40	63·0	50·6	56·5	+ 1·8	102	+ 13	0	0	3	0	0·28	−0·33	21	− 7	23	− 8
10. IRELAND, SOUTH	77	48	65·6	54·3	59·7	+ 3·8	124	+ 27	0	0	3	0	0·06	−0·54	24	− 9	27	−10
11. ENGLISH CHANNEL	81	51	68·3	56·5	62·1	+ 2·5	141	+ 18	0	0	0	− 3	0·00	−0·48	45	− 1	50	− 1
	THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 2 Weeks, September 1st to 14th, 1907.																	
0. SCOTLAND, NORTH	87	30	*	*	*	*	126	− 22	2	+ 2	11	+ 2	1·59	−0·18	76	+24	41	+13
Eastern																		
1. SCOTLAND, EAST	78	28	*	*	*	*	141	−23	1	+ 1	7	0	1·08	−0·11	96	+ 36	52	+19
2. ENGLAND, N.E...	79	30	*	*	*	*	185	− 5	0	0	4	− 2	0·44	−0·62	89	+ 28	49	+15
3. ENGLAND, EAST	78	36	*	*	*	*	219	+ 5	0	0	5	0	0·39	−0·52	79	+ 5	43	+ 3
4. MIDLAND COUNTIES.. ..	76	32	*	*	*	*	195	− 3	0	0	5	0	0·66	−0·25	74	+ 8	40	+ 4
5. ENGLAND, SOUTH	78	41	*	*	*	*	236	+ 6	0	0	5	0	0·55	−0·46	80	+ 3	44	+ 2
Western																		
6. SCOTLAND, WEST	76	30	*	*	*	*	162	−12	0	0	7	0	1·05	−0·66	77	+ 13	42	+ 7
7. ENGLAND, N.W...	80	28	*	*	*	*	194	− 2	0	0	5	− 1	0·61	−0·66	74	+ 10	40	+ 5
8. ENGLAND, SW	76	31	*	*	*	*	224	+12	0	0	6	0	0·99	−0·29	77	0	43	0
9. IRELAND, NORTH	74	35	*	*	*	*	171	−11	0	0	8	0	1·24	−0·15	47	− 9	26	− 5
10. IRELAND, SOUTH	77	33	*	*	*	*	209	+11	0	0	8	+ 1	0·80	−0·51	50	− 16	27	− 9
11. ENGLISH CHANNEL	81	51	*	*	*	*	269	+19	0	0	4	− 2	0·51	−0·53	76	− 15	42	− 8
	THE YEAR.—Aggregates, &c., for the period of 37 Weeks, December 30th, 1906, to September 14th, 1907.																	
0. SCOTLAND, NORTH	87	8	*	*	*	*	1401	−243	524	− 19	192	+23	37·45	+6·72	916	− 44	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1572	−372	600	+ 12	151	+11	20·52	+0·82	1078	− 25	31	− 1
2. ENGLAND, N.E.	82	15	*	*	*	*	2027	−113	501	+ 26	132	+ 6	15·07	−1·45	1221	+131	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2292	−182	518	− 3	124	+ 3	13·76	−2·38	1274	− 28	37	− 1
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2173	−261	540	+ 7	134	+14	17·49	−0·15	1141	− 24	33	− 1
5. ENGLAND, SOUTH	81	16	*	*	*	*	2375	−274	434	+ 53	119	+ 4	14·87	−2·25	1332	+ 12	39	0
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1871	−189	404	− 6	160	+13	34·22‡	+3·29	1063	− 83	31	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2021	−242	418	+ 32	156	+22	23·79	+1·32	1127	− 37	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2207	−297	396	+ 95	151	+20	23·94	−0·02	1231	−132	36	− 4
9. IRELAND, NORTH	81	16	*	*	*	*	1904	−265	292	− 53	179	+19	28·58	+3·31	997	− 50	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2334	−150	256	− 3	171	+29	23·00	−3·51	1087	− 86	32	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	2648	−188	96	− 13	128	−11	15·26	−4·46	1410	−157	42	− 5

† The corresponding value for a previous week has been altered owing to the receipt of further information.

III.—DATA from which the SUMMARY on page 290 has been calculated.

September 8-14, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	65	45	57·6	46·9	52·0	+ 1·2	70	0	5	0·26	- 0·51	52·4	+ 26·7	58	+ 29
		Stornoway	69	36	59·9	46·3	52·8	+ 1·0	76	0	3	0·25	- 0·69	32·7	+ 5·6	36	+ 6
	Mainland.	Wick	75	39	63·7	46·0	54·4	+ 2·3	87	0	3	0·09	- 0·51	*	*	*	*
		†Lairg (Strathpeffer) ..	87	34	68·8	43·0	55·3	+ 4·0	93	0	3	0·23	- 0·45	42·3	+ 15·2	47	+ 17
		Glencarron	74	37	60·4	45·9	52·8	+ 1·2	76	0	4	0·56	- 1·36	*	*	*	*
		Fort Augustus	75	33	63·6	44·7	53·7	+ 0·4	82	0	2	0·19	- 0·71	35·1	+ 15·5	39	+ 17
		Fort William	72	35	61·8	47·0	54·0	+ 0·3	84	0	5	0·33	- 1·34	*	*	*	*
		(West Linton)												45·4	—	50	—
1. SCOTLAND, E.		Nairn	78	34	64·6	43·9	53·8	+ 0·6	83	0	5	0·12	- 0·43	55·0	—	60	—
		Aberdeen	75	43	65·4	46·6	55·6	+ 2·5	95	0	2	0·05	- 0·58	60·7	+ 31·2	67	+ 34
		†Balmoral (Crathes) ..	76	33	65·4	39 3	51·7	+ 1·7	79	8	0	0·00	- 0·74	60·2	—	66	—
		†Crieff (Balruddery) ..	74	40	63·6	44·4	53·5	- 0·1	81	0	2	0·10	- 0·68	50·0	—	56	—
		†Leith (Edinburgh) ..	70	45	61·3	48·3	54·5	- 0·5	88	0	1	0·31	- 0·17	31·7	+ 6·8	35	+ 8
		Marchmont	75	43	66·8	46·8	56·3	+ 3·8	100	0	1	0·34	- 0·38	51·6	+ 23·4	57	+ 26
		(Saltburn)												61·8	—	69	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	77	46	67·9	47·2	57·1	+ 3·5	106	0	0	0·00	- 0·60	55·2	—	61	—
		†Shields (Newcastle)	72	47	64·3	48·6	56·1	+ 1·9	99	0	0	0·00	- 0·48	40·9	+ 16·7	45	+ 19
		Durham	70	42	65·7	45·8	55·3	+ 1·0	93	0	0	0·00	- 0·50	45·8	+ 17·5	51	+ 20
		Scarborough .. .. 𝔐	69	48	63·9	50·4	56·8	+ 1·4	104	0	0	0·00	- 0·54	57·7	—	64	—
		York	71	46	67·8	47·5	57·2	+ 1·6	106	0	0	0·00	- 0·53	54·9	+ 26·3	61	+ 29
	Southern part.	Spurn Head	64	51	62·6	52·6	57·4	+ 0·5	108	0	0	‡0·01	- 0·41	49·9 *	*	*	*
		†Lincoln (Skegness)	75	39	70·1	45·7	57·3	+ 1·0	107	0	0	0·00	- 0·49	56·9	—	63	—
		†Fulbeck (Rauceby)	79	40	71·9	44·9	57·8	+ 1·5	111		0	0·00	- 0·49	60·0	—	67	—
3. ENGLAND, E.	Northern part.	Hillington .. .. 𝔐	75	39	69·4	46·5	57·4	+ 1·0	108	0	0	0·00	- 0·60	62·9	+ 29·5	70	+ 33
		†Yarmouth (Lowestoft) ..	66	46	64·3	55·3	59·6	+ 2·5	123	0	0	0·00	- 0·55	69·9	—	79	—
		Geldeston	78	41	69·5	46·0	57·2	+ 0·4	106	0	0	0·00	- 0·55	64·4	+ 27·2	72	+ 31
		(Cromer)												65·0	—	72	—
	Southern part.	Cambridge	76	38	71·4	46·7	58·5	+ 1·3	116	0	0	0·00	- 0·47	51·7	+ 15·8	58	+ 18
		Felixstowe	66	47	64·6	51·9	58·0	+ 0·8	112	0	0	0·00	—	70·4	—	79	—
		Clacton-on-Sea	68	49	65·9	52·7	59·0	+ 0·7	119	0	0	0·00	—	70·6	—	79	—
		Rothamsted	72	37	69·0	46·0	57·0	+ 1·0	105	0	0	‡0·02	- 0·54	61·0	+ 26·1	69	+ 29
		†Shoeburyness (Southend) ..	69	45	66·4	51·4	58·5	- 0·2	116	0	0	0·00	- 0·44	55·5	—	62	—
		London, Westminster	75	46	69·4	51·9	60·2	+ 1·9	127	0	0	0·00	- 0·49	33·4	+ 4·4	38	+ 5
		(Dunmow)												61·4	—	69	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	69	41	65·3	45·7	55·0	+ 0·9	91	0	0	0·00	- 0·57	51·2	—	57	—
		†Bawtry (Worksop)	76	40	70·1	43·4	56·1	+ 0·9	99	0	0	0·00	- 0·47	49·6	+ 21·2	55	+ 24
		Nottingham	76	37	69·7	44·7	56·6	+ 0·8	102	0	0	0·00	- 0·51	41·4	—	46	—
		Birmingham, Edgbaston ..	73	46	67·8	49·9	58·4	+ 3·0	115	0	0	0·00	- 0·56	43·5	—	49	—
		Oxford	75	39	72·0	47·3	59·1	+ 2·8	120	0	0	0·00	- 0·49	57·7	+ 23·0	65	+ 26
	Western part.	†Cheadle (Sheffield) .. 𝔐	68	45	65·3	49·1	56·8	+ 2·7	104	0	0	0·00	- 0·68	55·2	—	61	—
		Shrewsbury	76	40	70·0	46·8	57·8	+ 1·7	111	0	0	0·00	—	*	*	*	*
		Hereford .. .. .. 𝔐	74	40.	70·0	46·5	57·7	+ 1·8	110	0	0	0·00	- 0·55	*	*	*	*
		Cirencester	75	40	70·1	46·7	57·8	+ 2·6	111	0	0	0·00	- 0·63	58·2	+ 24·6	65	+ 28
		Bath	75	41	71·4	48·4	59·4	+ 2·5	122	0	0	0·00	- 0·65	53·8	—	60	—
		(Margate)												60·9	+ 24·9	68	+ 28
5. ENGLAND, S.		Kew	73	41	69·9	50·0	59·5	+ 2·2	123	0	0	0·00	- 0·48	46·6	+ 12·4	52	+ 14
		Wisley, Surrey	77	42	71·5	48·3	59·3	+ 0·9	121	0	0	0·00	—	46·8	—	53	—
		†Swarraton (Ventnor) .. 𝔐	77	41	71·4	46·5	58·4	+ 2·8	115	0	0	‡0·01	- 0·60	65·7	+ 24·7	74	+ 28
		Tunbridge Wells .. 𝔐	76	43	70·7	50·2	60·0	+ 3·2	126	0	0	0·00	- 0·57	55·3	+ 17·7	62	+ 20
		†Dungeness (Littlestone) ..	70	49	67·0	53·9	60·1	+ 1·6	127	0	0	‡0·01	- 0·53	63·1	—	71	—
		Hastings	75	49	70·7	53·9	61·9	+ 3·4	139	0	0	0·00	- 0·63	68·0	+ 27·8	76	+ 31
		Southampton	78	47	73·8	50·9	61·8	+ 3·3	139	0	0	0·00	- 0·60	64·5	+ 26·0	73	+ 29
		†Portland Bill (Worthing) ..	67	54	64·6	56·4	60·3	+ 0·7	128	0	0	0·00	—	62·5	—	70	—
		(Eastbourne)												66·5	+ 26·5	75	+ 30
6. SCOTLAND, W.		Laudale	74	40	63·8	49·2	56·2	+ 2·4	99	0	4	0·43	- 1·21	*	*	*	*
		Poltalloch .. .. .. 𝔖	71	45	62·9	48·7	55·5	+ 1·0	95	0	5	0·46	- 0·72	*	*	*	*
		Glasgow	72	44	62·2	49·2	55·4	+ 2·3	94	0	3	0·30	- 0·60	31·5	+ 7·1	35	+ 8
		Rothesay .. .. .. 𝔖	70	43	62·7	50·3	56·2	+ 1·8	99	0	5	0·50	- 0·56	*	*	*	*
		Dumfries .. .. .. 𝔖	76	45	68·2	46·1	56·6	+ 1·6	102	0	1	0·04	- 0·74	*	*	*	*
		Cally .. .. .. 𝔖	70	41	65·0	46·1	55·1	+ 2·0	92	0	5	0·24	- 0·72	*	*	*	*
		Douglas, Isle of Man	66	44	63·5	49·2	56·0	+ 1·6	98	0	2	0·05	- 0·82	48·3	+ 13·9	54	+ 16
7.	ENGLAND, N.W.	Aspatria	75	47	66·8	49·5	57·7	+ 3·7	110	0	1	0·07	- 0·87	43·4	—	48	—
		Newton Rigg	73	40	67·7	46·4	56·5	+ 3·6	102	0	2	0·03	- 0·71	51·6	+ 22·1	57	+ 25
		Stonyhurst	69	45	65·1	48·0	56·1	+ 1·7	99	0	1	0·04	- 1·02	37·6	+ 7·6	42	+ 9
		Blackpool .. .. .. 𝔐	71	47	65·8	50·2	57·6	+ 1·8	109	0	1	0·02	- 0·78	48·0	+ 17·4	53	+ 19
		Manchester, Prestwich ..	76	45	69·1	46·8	57·4	+ 2·4	108	0	0	0·00	- 0·85	42·7	+ 16·2	47	+ 18
		†Liverpool Obs. (Hoylake) ..	70	51	65·7	53·0	59·1	+ 2·8	120	0	2	0·04	- 0·64	46·6	—	52	—
		†Hawarden Bridge (Southport)	71	48	67·7	51·3	59·1	+ 2·3	120	0	0	0·00	- 0·53	49·0	+ 17·2	54	+ 19
	NORTH WALES	Llandudno .. .. 𝔐	74	53	67·6	55·0	61·0	+ 3·8	133	0	0	‡0·01	- 0·63	42·3	+ 11·2	47	+ 12
		†Holyhead (Aberdovey) ..	75	52	66·9	53·9	60·1	+ 3·5	127	0	2	0·02	- 0·65	48·3	—	54	—
		Bettws-y-Coed	80	48	71·3	48·9	59·6	+ 3·0	123	0	0	0·00	—	45·8	—	51	—
		(Aberystwyth)												44·5	—	50	—
8.	SOUTH WALES	Llangammarch Wells	73	40	68·5	43·5	55·4	+ 0·8	94	0	0	0·00	—	50·0	—	56	—
		Pembroke	68	54	64·6	55·7	59·9	+ 3·1	125	0	1	0·02	- 0·71	54·5	+ 18·9	61	+ 21
		Cardiff	74	44	70·4	49·0	59·2	+ 2·0	120	0	0	0·00	- 0·92	66·6	—	75	—
	ENGLAND S.W.	Clifton	75	49	70·9	52·5	61·3	+ 3·6	135	0	0	0·00	- 0·71	57·5	—	65	—
		†Shaftesbury (Marlborough) 𝔐	75	47	70·0	51·0	60·0	+ 4·0	126	0	0	0·00	- 0·67	51·3	+ 19·4	58	+ 22
		†Arlington (Newquay)	73	50	69·1	53·0	60·7	+ 5·3	131	0	0	0·00	- 1·09	56·5	+ 18·5	64	+ 21
		Cullompton .. .. 𝔐	76	42	72·3	48·5	59·8	+ 2·6	125	0	0	0·00	- 0·67	60·3	+ 25·5	68	+ 29
		Plymouth	70	51	67·1	55·6	61·1	+ 3·1	134	0	1	0·01	- 0·69	62·4	+ 24·8	70	+ 28
		Falmouth	67	53	64·6	57·3	60·8	+ 3·4	132	0	0	0·00	- 0·86	49·8	+ 10·7	56	+ 12
		(Torquay)												59·8	+ 21·2	67	+ 24
9. IRELAND, N.	Western part.	Malin Head	73	48	62·4	51·4	56·6	+ 1·8	102	0	5	0·41	- 0·27	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	73	47	62·3	52·6	57·2	+ 1·4	106	0	5	0·63	- 0·34	*	*	*	*
		Markree Castle	74	40	64·2	49·3	56·4	+ 2·8	101	0	5	0·29	- 0·58	16·1	- 9·5	18	- 11
	Eastern part.	Armagh	72	43	65·2	49·5	57·0	+ 3·0	105	0	1	0·02	- 0·65	25·4	- 1·9	28	- 2
		Donaghadee	65	46	61·0	50·1	55·3	+ 0·5	93	0	1	0·04	- 0·63	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	71	52	64·6	55·1	59·6	+ 3·4	123	0	2	0·03	- 0·52	26·4	- 7·4	29	- 8
		Kilkenny	72	50	65·3	52·9	58·8	+ 3·4	118	0	2	0·05	- 0·59	*	*	*	*
		Waterford	70	51	66·1	54·1	59·8	+ 4·1	125	0	1	0·04	- 0·70	*	*	*	*
	Western part.	Birr Castle	75	48	66·0	51·9	58·6	+ 4·0	116	0	3	0·05	- 0·61	26·5	- 3·4	29	- 4
		Foynes	75	52	65·5	54·9	60·0	+ 4·4	126	0	6	0·20	- 0·51	*	*	*	*
		Killarney	74	53	67·9	56·4	61·4	+ 5·2	136	0	3	0·03	- 0·89	*	*	*	*
		Valencia	77	51	65·4	55·1	60·0	+ 3·2	126	0	3	0·04	- 1·00	19·6	- 11·1	22	- 13
		†Roches Point (Ballinacurra) ..	68	53	63·9	55·1	59·3	+ 2·5	121	0	0	0·00	- 0·82	25·0	—	28	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	66	56	64·0	57·0	60·3	+ 1·6	123	0	0	0·00	- 0·70	34·0	- 6·8	38	- 8
		†Jersey, St. Aubins (St. Hellers)	81	51	71·4	55·9	63·3	+ 2·9	149	0	0	‡0·01	- 0·66	54·5	+ 10·6	61	+ 12
		Guernsey	74	53	69·5	56·6	62·7	+ 3·2	145	0	0	‡0·01	- 0·69	45·5	+ 2·6	51	+ 3

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ Fog, mist or dew.

Additional Sunshine Totals for the week: Ramsgate, 63·2 hrs., 71 % ; Brighton, 61·8 hrs. (+21·8), 69 % (+ 25 %); Bournemouth, 62·8 hrs., 71 % ; Bognor, 64·8 hrs., 73 % ; Rhyl, 51·1 hrs., 57 % ; Tenby, 59·6 hrs. (+23·0), 67 % (+26 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	50·9
	Crathes	2	29	54·3	52·6
	Balmoral	3	25	—	—
	Marchmont ..	0	37	55·3	—
2.	Cockle Park	0	37	54·7	52·7
	York	—	—	56·2	55·0
	Hull	0	37	57·0	54·9
	Lincoln	—	—	58·1	56·0
3.	Lowestoft	0	42	60·5	58·2
	Cambridge	0	33	60·1	58·6
	Dunmow	0	38	—	—
	Clacton-on-Sea ..	0	39	59·5	58·9
4.	Harrogate	0	37	54·2	53·4
	Sheffield				
	— — ..				
	Birmingham	0	32	55·2	52·9
	Nottingham	0	37	56·9	57·1
	— — ..				
5.	Kew	0	32	59·5	57·9
	Canterbury	0	38	60·1	58·9
	Portsmouth	0	36	61·0	60·1
	Wisley	0	33	60·2	58·8
6.	Glasgow	0	33	—	—
	Rothesay	—	—	—	53·1
	Dumfries	0	37	—	—
	Douglas	0	40	—	—
7.	Newton Rigg ..	0	35	57·0	54·0
	Southport	0	42	59·8	58·8
	Manchester City ..	0	41	57·3	56·1
	Bettws-y-Coed ..	0	47	55·7	54·0
	— — ..				
8.	Llangammarch Wells			58·3	55·0
	Cardiff	0	37	61·9	58·8
	Bath	—	—	62·3	60·8
	Plymouth	0	45	61·6	—
9.	Armagh	0	37	57·5	55·9
	Markree Castle ..	0	35	—	—
10.	Dublin, Trin. Coll. ..	0	42	58·5	56·1
11.	Guernsey, Brooklyn	0	45	63·2	—

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	49	49·8
	Kirkwall	55	52	53·3
	Wick	51	51	51·0
SCOTLAND, E.	Cromarty	55	51	52·8
	Pennan Bay	56	52	54·0
	Aberdeen, Cove Bay ..	51	50	50·2
ENGLAND, N.E.	Burnmouth, Berwick ..	54	52	53·2
	Scarborough	59	51	54·5
ENGLAND, E.	Shipwash Lightship ..	63	60	60·7
	Margate	63	61	62·1
ENGLAND, S.E.	Eastbourne‡	63	62	62·7
SCOTLAND, W.	Lamlash	57	54	55·3
	Ballantrae	55	52	53·5
ENGLAND, N.W.	Port Erin	58	56	56·0
ENGLAND, S.W.	Newquay	61	60	60·1
	Plymouth‡	61	60	60·2
	Salcombe	60	58	59·0
IRELAND, N.W.	Sheephaven	58	57	58·0
	Ballyglass	65	55	58·3
IRELAND, S.W.	Cleggan	60	56	57·7
	Seafield	67	59	61·3
IRELAND, E.	Kingstown‡	58	57	57·9

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

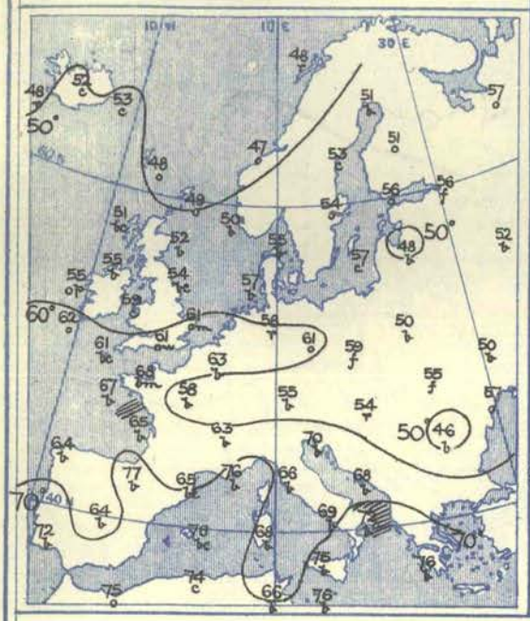
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

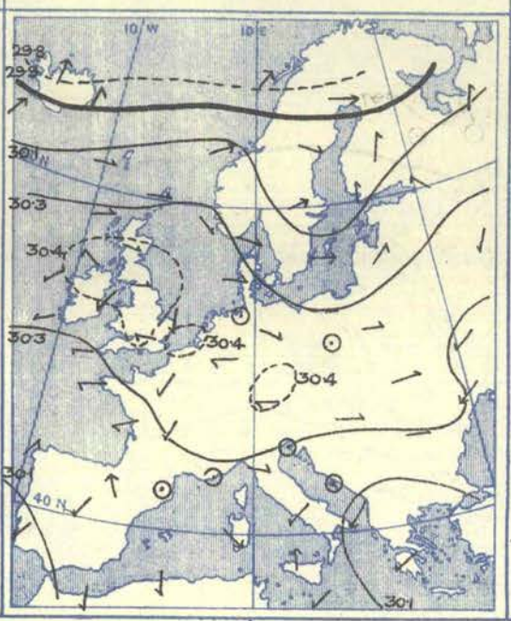
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 8th September, 1907.

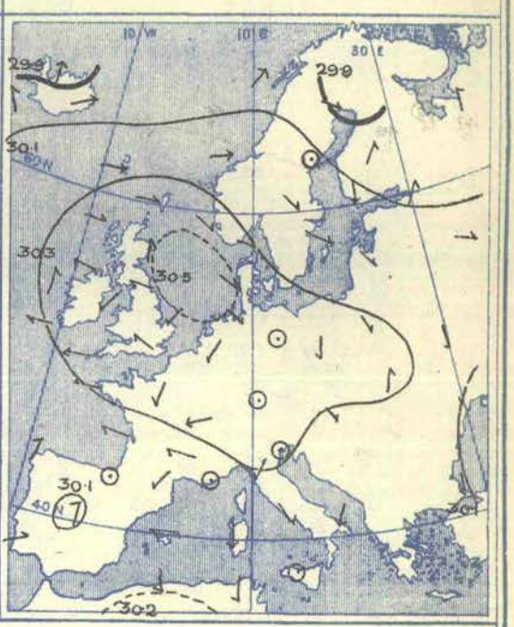
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the United Kingdom and the major portion of the Continent, but rain falling at Bodö, Buda-Pesth and Cuxhaven, and much cloud prevailing in Finland. A little rain experienced later in various parts of northern Europe and Germany, but the condition continuing very fine as a whole.

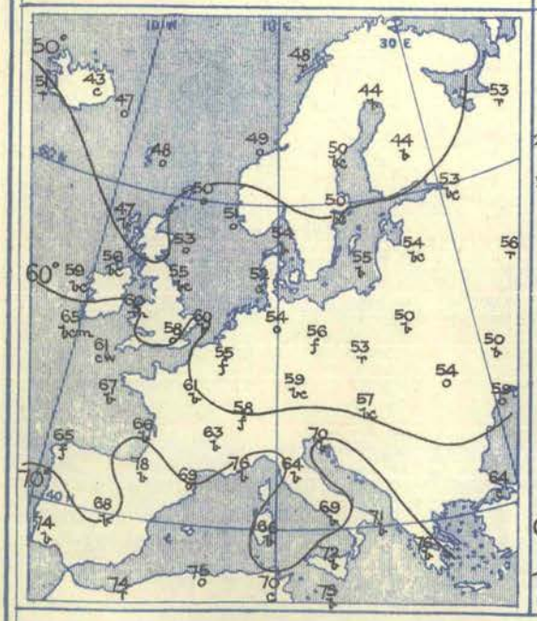
Temperature risen in most regions, fallen somewhat over Great Britain. Readings in morning above 70° over a large part of the Mediterranean and above 75° in places. Below 60° over Europe as a whole, and below 50° in the north-west of Norway and at some stations in Iceland. Rising to 90° or rather higher during day in the west of France and the adjacent part of Spain, and to above 80° at most stations in the far south of our area. Thermometer rising to 81° at Jersey, 74° at Oxford and Bettws-y-Coed, and to about 70° at several of our other stations.

Wind in morning light and anticyclonic over these Islands and all the central countries of the Continent, light and variable in the south of our area, and moderate to strong from the Westward in the far north. Very little change during day; anticyclonic circulation becoming rather more clearly defined.

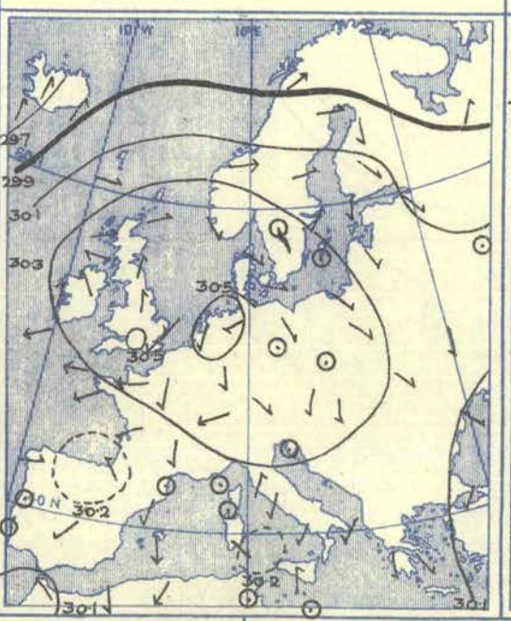
Barometer in morning ranging from 30·3 ins. to 30·4 ins. and above in a very extensive high pressure system covering the United Kingdom and all the central countries, to less than 30·1 ins. both in the south-west and south-east of our area, and to below 29·8 ins. in the extreme north. Scarcely any change later beyond a steady increase in the intensity of the anticyclonic system.

Monday, 9th September, 1907.

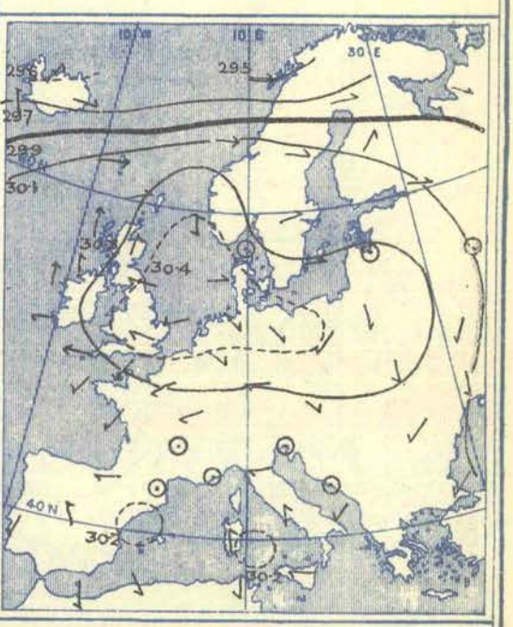
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of our area, but misty or foggy in a few localities, and rainy at Breslau, Bodö, at some stations in Russia, and also in most parts of Iceland. Continuing very fine generally, but nearly an inch and a quarter of rain falling at Bodö, and some smaller amounts in the north of Russia.

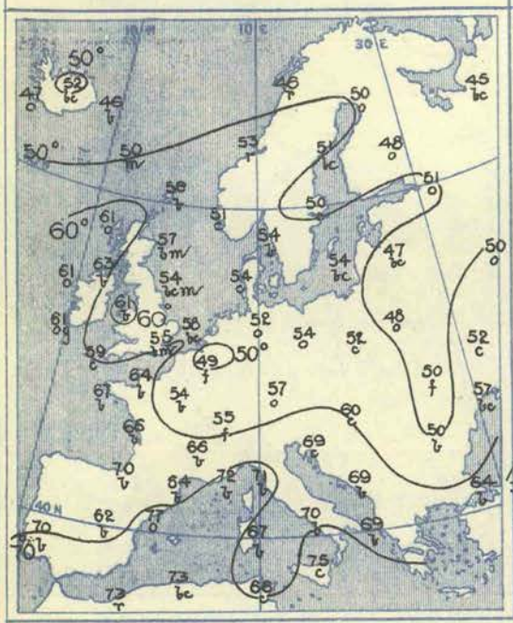
Temperature showing no decided or general change. Readings in morning ranging from 80° at Palma and above 70° at many southern stations, to less than 60° over Europe as a whole, and to less than 50° in many northern regions. Maxima again as high or slightly higher than 90° in the south-west of France and some parts of Spain, and about 80° in many Italian and Algerian localities. Below 70° in some regions of central Europe and at most of our own stations, but above that point over central England, and as high as 77° at Valencia Island.

Wind in morning showing a vast anticyclonic circulation affecting nearly the whole of our area. Light or moderate generally, but fresh or strong from the Eastward at some of the more southern stations, and strong or high from the Westward along the north-west coast of Norway. Little change occurring during day.

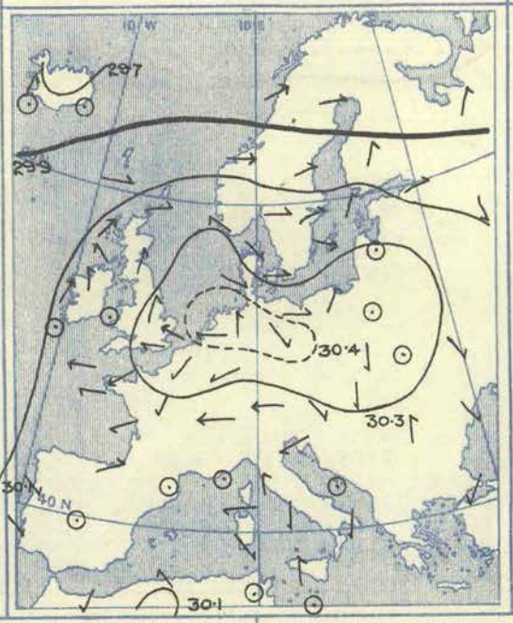
Barometer in morning 30·3 ins. to 30·5 ins. in a large high pressure system covering the United Kingdom and a large portion of the Continent. Less than 29·8 ins. in the extreme north of Europe, and below 29·7 ins. over the western half of Iceland. Anticyclone decreasing somewhat in intensity during day, but maintaining its position. Barometer falling rather quickly in the north of Norway, but commencing to rise again in the west of Iceland.

Tuesday, 10th September, 1907.

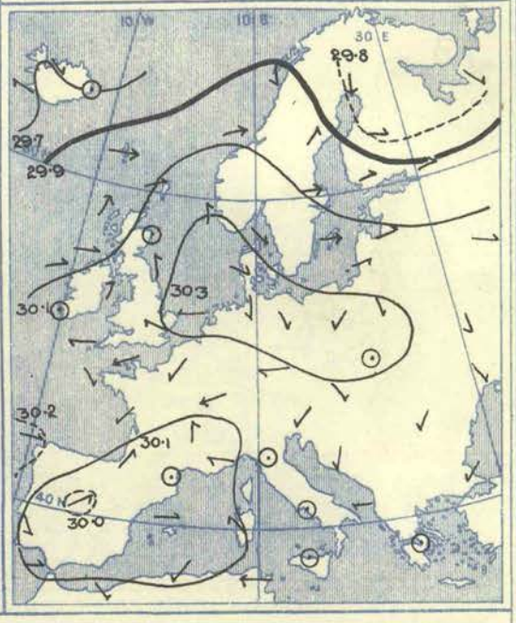
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy along the west coast of Norway and at Helsingfors, and overcast in some other northern localities; fine and bright in almost all other parts of our area, but dull in various German districts. Continuing dry generally, but thunderstorms occurring in the north-west of Ireland and at Castlebay, and some rain falling in certain parts of Russia.

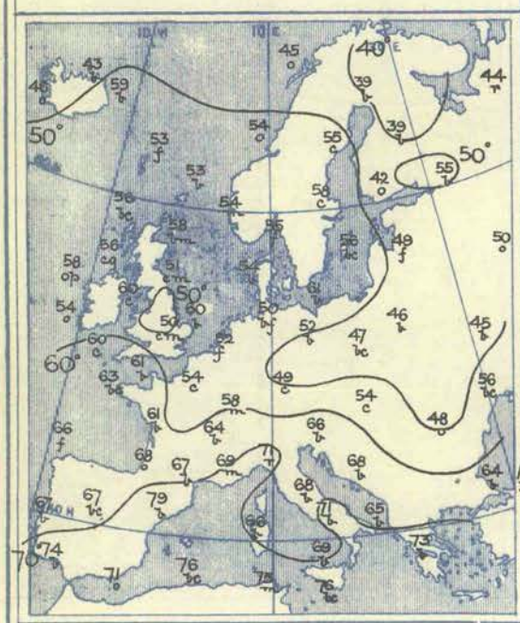
Temperature changed slightly and rather irregularly. Readings in morning below 55° over Europe generally, and less than 50° at some northern stations. Above 65° over the Mediterranean region, and above 70° in places. Thermometer rising to 80° at Bettws-y-Coed during day, to 78° at Nairn, and to above 70° at many of our other stations. Maxima above 80° very generally over southern Europe, and above 90° at some French stations, as well as at Madrid.

Wind in morning showing an anticyclonic circulation affecting practically the whole of Europe. Westerly current strong at some northern stations, and Easterly current fresh to strong on some parts of our south-west coasts. A cyclonic movement of little strength setting in by evening over Spain and the neighbouring parts of the Mediterranean, but little change occurring elsewhere.

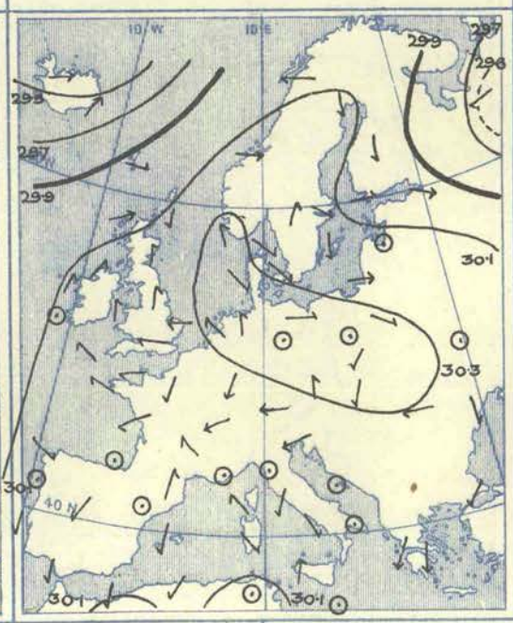
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its maximum over Germany and the adjacent portion of the North Sea, to below 29·8 ins. in the far north of our area. A fresh fall of the barometer commencing in Iceland by evening, and pressure decreasing slightly over our area generally. A large and very shallow depression forming in the south-west of our area.

Wednesday, 11th September, 1907.

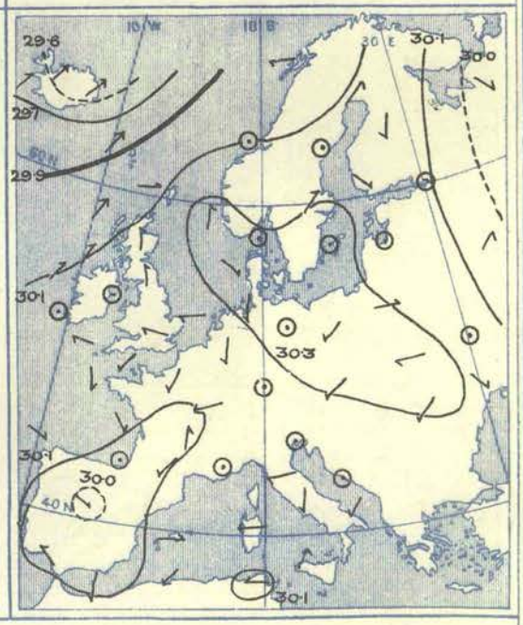
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine generally, but rainy at Archangel and Genoa, and showery at Blacksod Point. Some rain later in the north and north-west of this country, and thunder at Holyhead. A thunderstorm at Paris, and rather heavy rain at Besançon and at some stations in the extreme north of the Continent, as well as at Palermo and Malta.

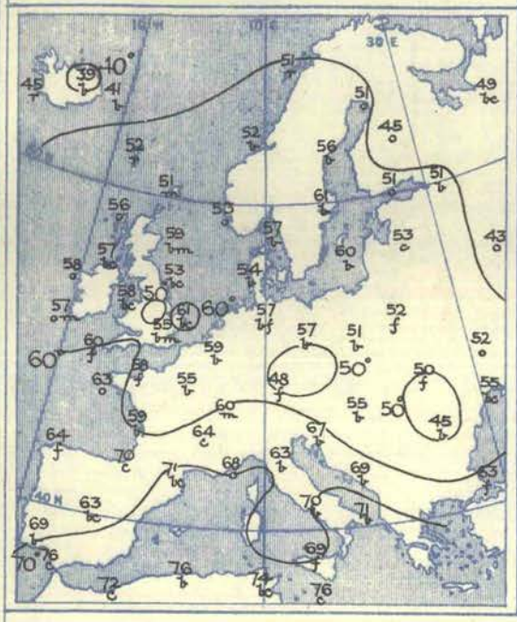
Temperature risen in Scandinavia, fallen in nearly all other regions. Readings in morning above 70° at a few southern stations and as high as 79° at Barcelona. Below 50° over central England and at many stations in central Europe, and below 40° in the north of Finland. Maxima during day 75° at Bettws-y-Coed and about 70° at many of our other stations. Thermometer rising to 93° at Madrid, to 80° or above in many French and Italian districts, and to 77° at Frankfort. Highest readings in Poland only 64°.

Wind in morning continuing anticyclonic and light in force over our area as a whole, but a fresh Westerly and South-Westerly breeze prevailing between Iceland and the north-west of Scotland. No change of importance occurring during day.

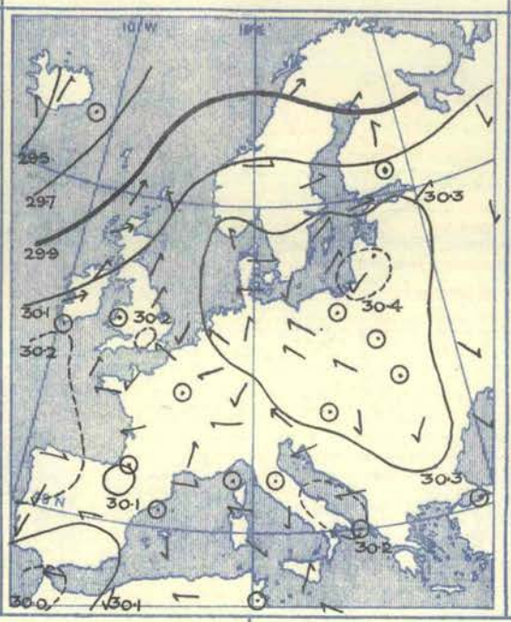
Barometer at 8 a.m. above 30·3 ins. in a very large anticyclone covering a large portion of the North Sea and stretching towards south-eastern Europe. Below 29·6 ins. in the far north of Russia, and below 29·5 ins. in a depression over Iceland. A very small and shallow disturbance approaching the north coast of Ireland during day. Barometer rising quickly over the north of Russia and commencing to rise in Iceland. A slight decrease of pressure taking place over these Islands and France.

Thursday, 12th September, 1907.

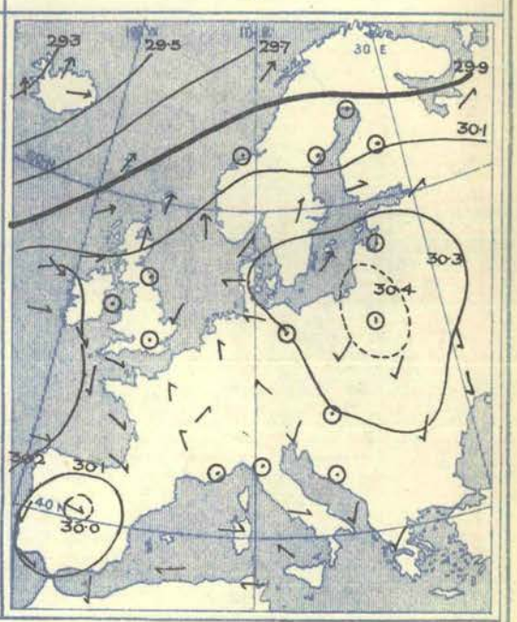
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over our area generally, but with fog or haze at several stations in England, the north of France, and in a few other parts of Europe. Rainy in western Iceland and also at Thorshavn and Bodö. Thunderstorms later in some parts of France, and considerable quantities of rain in the south of that country and also at Turin. Slight rain experienced in the far west and north of these Islands, but the weather continuing fine generally.

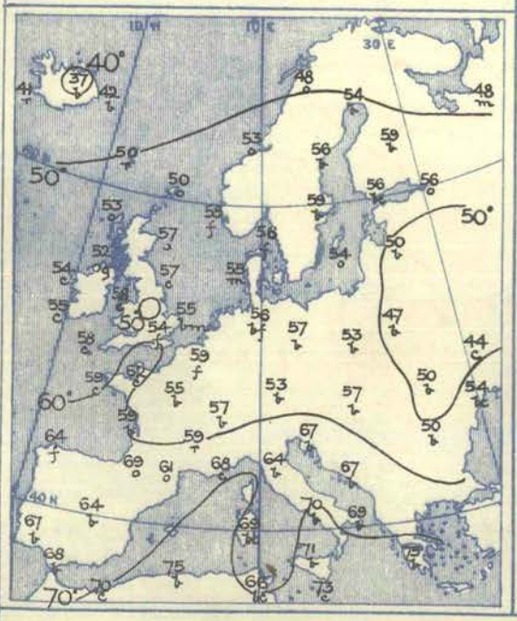
Temperature changed rather irregularly. Readings in morning above 70° in many parts of the Mediterranean area, about 60° at several of our own stations and in the south of Sweden; below 40° at Grimstadir, and below 50° in central England and over a considerable portion of the mainland of Europe. Thermometer rising to 75° or 76° at some stations in the southern half of England and to 77° at Bournemouth. Maxima above 80° very generally in the south of Europe, and above 90° at Madrid and Turin.

Wind in morning continuing light and anticyclonic very generally except in the extreme north-west. South-Westerly current high at Bodö and fresh at Stornoway. Scarcely any change occurring during day.

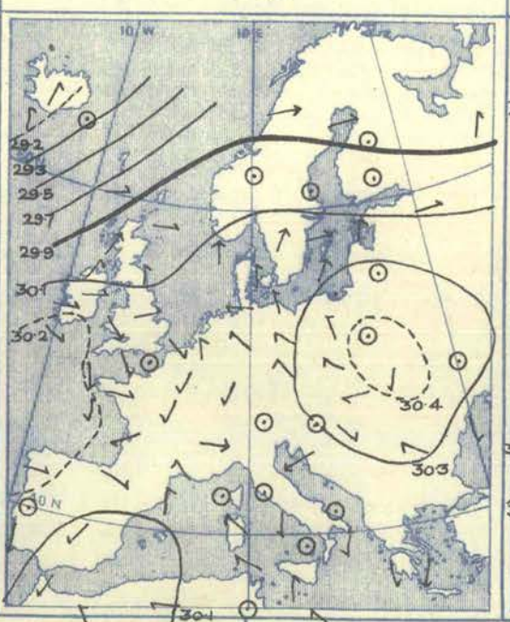
Barometer in morning 30·2 ins. to above 30·4 ins. in a very extensive anticyclone covering the major portion of the Continent, and above 30·2 ins. in another high pressure system off the south-west of Ireland. Below 29·9 ins. in Lapland, and less than 29·5 ins. to the westward of Iceland. South-western high pressure system spreading over this country during day, but barometer falling rather decidedly in Iceland under the influence of a fresh depression.

Friday, 13th September, 1907.

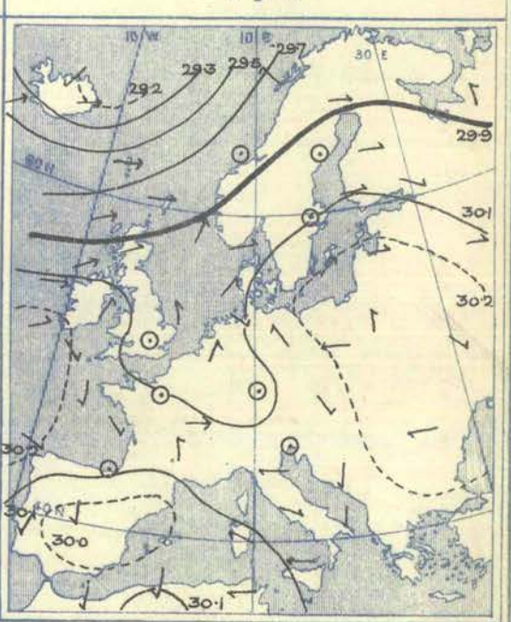
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but fog prevailing at several of our own stations and in some parts of the Continent. Sky overcast on our extreme north-west coasts, and rain falling at Thorshavn and Reykjavik. Conditions also rainy in the south-east of France and at Turin. More than an inch of rain falling later at Turin and Gap, and smaller quantities in Ireland, Scotland, and Norway.

Temperature fallen over our area as a whole. Readings in morning below 50° at Nottingham and in the extreme east and north of our area; above 60° very generally in the south, and above 70° in some places. Maxima during day above 70° at many of our own southern stations, and as high as 77° at Bournemouth. Thermometer rising to about 80° over the Mediterranean region, and touching 90° at Cape Béarn.

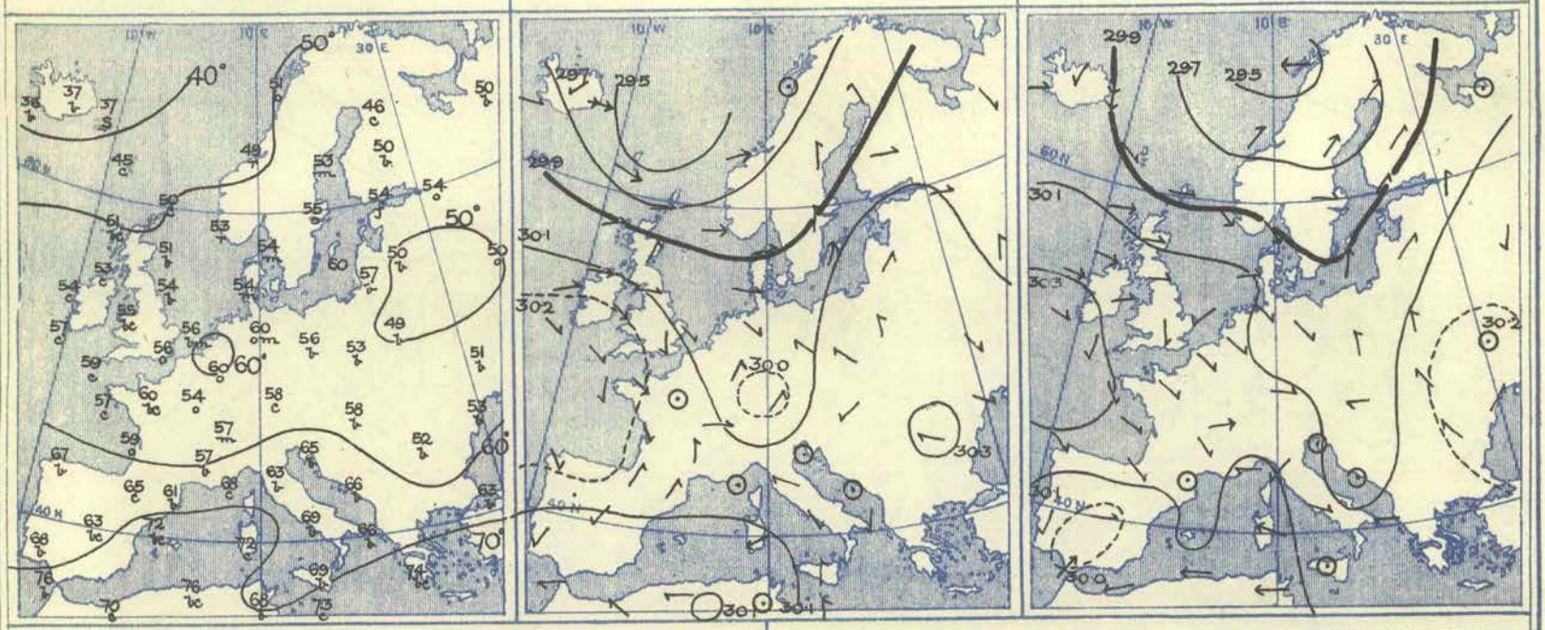
Wind in morning moderate to high from between South-West and West over the north-west of our area; light and mainly anticyclonic elsewhere. Veering to the Northward at some stations in Iceland later in day, but little change over our area as a whole.

Barometer in morning above 30·4 ins. in an anticyclone having its maximum over Poland, and above 30·2 ins. in another system off the south-west of this country. Below 29·2 ins. in a large depression centred beyond Iceland. Eastern high pressure giving way slowly during day, and barometer also falling over the western and north-western countries. Change very slight on our own south-west coasts, and a fresh rise of the mercury taking place in Iceland.

Saturday, 14th September, 1907.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m. 6 p.m.



Weather in morning fair or fine over our area as a whole, but a thunderstorm in progress at Turin, rain falling in the west of Norway and the west of Germany, and snow at Seydisfjord. Some rain experienced later in the east of France, the north and north-west of these Islands, and in various parts of Germany and northern Europe, as well as at Trieste and Palma. Largest amount more than an inch and a quarter at the last-mentioned station.

Temperature fallen in most regions. Readings in morning below 40° in Iceland, about 50° over Scotland and in some parts of northern and central Europe, above 60° over the Mediterranean region, and above 70° at a few places. Maxima during day no higher than 65° over this country generally, and less than 60° in Scotland; above 70° in most parts of central Europe, and above 80° in the south. Highest readings 88° at San Fernando and 90° at Madrid.

Wind in morning high from North-West at Thorshavn and blowing a whole gale from West at Seydisfjord. Light to moderate from the Southward over Germany and Scandinavia. A fresh to strong Westerly breeze prevailing on our north-west coasts, and a light to moderate breeze from between West and North-West over our Islands generally. Light and rather variable winds prevalent over the Mediterranean region, but a high wind from North North-East at Athens. Becoming high from South-West at Christiansund by evening, and blowing a strong gale from North at Seydisfjord.

Barometer in morning above 30·3 ins. in an anticyclone having its maximum over Transylvania, and above 30·2 ins. in another system extending from the westward over the Bay of Biscay and the south-west of these Islands. Below 30·0 ins. in a depression over Bavaria, and below 29·6 ins. in a large disturbance between Norway and Iceland. South-western anticyclonic system continuing to extend over our Islands during day, and northern disturbance travelling eastwards to the north of Norway.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Ground Level.	1,660 500	3,320 1,000	5,000 1,500	6,600 2,000	8,320 2,500	10,000 3,000	Remarks.
1907.		Feet / Metres								
Sept. 12th, 6.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	Calm.	NNE, 3	N, 2	NW, 2				*Ballon-sonde.* Lift, 3140 grains or 204 grammes. Two theodolites not capable of shewing high altitudes. Balloon soon lost overhead. Weather fine and bright.
Sept. 13th, 4.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. .. .. / Humidity .. .. .. / Wind Velocity, m. per hr.	NW, 5	NW, 5	W, 10	SW by W, 15	SW, 7			Pilot balloon, 3 ft. circumference. Lift, 117 grains or 8 grammes. Weather clear. Two theodolites. Ascensional velocity, 407 ft. per min.

63, Victoria Street, London, S.W. *September 18th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 38. THIRTY-EIGHTH WEEK, ENDING SATURDAY, SEPTEMBER 21ST, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was again almost entirely rainless, and generally very bright, but a good deal of mist or fog prevailed in places during the early morning. A little rain occurred during the earlier days of the week in the far north and north-west, and slight drizzle at some eastern and south-eastern stations on Saturday.

Temperature exceeded the average except in England S., the divergence being 2° or more in many British districts and more than 3°·5 in Ireland. The highest of the maxima were registered on rather irregular dates, but mostly about the middle of the week in England and Scotland, and on Friday in Ireland. In England S. the thermometer rose to 76°, and in most of the other districts to 75° or 74°. In Scotland W. the highest was 71°. The lowest of the minima, which were generally recorded early in the week, ranged from 34° in England S.W. (at Llangammarch Wells), and 35° in Scotland E. to 45° in Ireland N., and to 46° in the English Channel. The lowest grass readings reported were 28° at Crathes, 30° at Balmoral, and 29° at Llangammarch Wells.

Mean Temperature of the Sea.—The warmth of the water did not, as a rule, differ much from that of the preceding week; at Aberdeen, however, there was an increase of 2°·8, and at Eastbourne a decrease of 1°·1. The actual figures ranged from 49°·4 at Lerwick, and 51°·4 at Wick to 60°·6 at Seafield, 61°·6 at Eastbourne, and 61°·8 at Margate.

Rainfall.—Over the Kingdom generally the week was rainless.

Bright Sunshine exceeded the average in all districts except Scotland W. and Ireland N. The percentage of the possible duration ranged from 75 in the English Channel, 63 in England S.W., 62 in England S., and 60 in England E. to 31 in Scotland W., and to 29 in Scotland N. and Ireland N.

Barometer and Wind.—During the whole of the period the distribution of pressure was anticyclonic, except on Monday, when a large depression travelling between Iceland and Norway affected the northern districts and caused the wind to increase to a fresh or strong gale from West or North-West on the north coast of Scotland and in Shetland. The central area of the high pressure system travelled slowly from the Atlantic across these Islands to the Continent, but by the end of the week, owing to a brisk rise of the barometer in Iceland, pressure was highest to the north-westward. The wind varied a good deal in direction, according to the position of the highest pressure, but it was mainly Easterly or North-Easterly in the south and from some Westerly point in the north.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 300.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Light	Very light	Very light	Nought	Nought	Very light	Light	Very light	Nought	Light	Very light	Nought
	Sunshine ...	Moderate	Very abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Very abundant	Moderate	Abundant	Very abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 3 weeks from Sept. 1st.	Warmth ...	2*1	1*1	2*1	1*0	2*1	1*0	2*1	2*1	2*0	2*1	2*1	2*0
	Rainfall ...	1*2	1*2	0*2	0*2	1*2	0*2	0*2	0*2	1*2	0*2	0*2	0*2
	Sunshine ...	2*0	3*0	2*0	2*1	2*1	2*1	1*0	1*0	2*1	0*1	1*2	1*1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2*9	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	7*2	3*2	3*5	1*5	5*4	4*5	5*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	2*7	1*7	2*3	0*5	2*6	3*5	2*6	2*6	1*6	3*3	2*5	2*7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 299.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
THE WEEK (38th)—September 15th to 21st, 1907.																		
0. SCOTLAND, NORTH	74	38	58·9	47·3	52·8	+ 1·7	76	+ 12	0	0	4	− 1	0·34	−0·66	26	+ 2	29	+ 2
Eastern																		
1. SCOTLAND, EAST	74	35	64·3	45·9	54·6	+ 2·7	88	+ 17	0	−1	1	− 2	0·03	−0·39	42	+ 16	49	+18
2. ENGLAND, N.E.	74	30	65·4	47·5	56·1	+ 2·2	99	+ 16	0	0	1	− 2	0·01	−0·34	42	+ 15	49	+17
3. ENGLAND, EAST	75	36	66·0	46·5	55·8	+ 0·2	97	+ 1	0	0	0	− 3	0·00	−0·44	51	+ 17	60	+20
4. MIDLAND COUNTIES	74	38	66·6	47·3	56·5	+ 2·1	102	+ 15	0	−1	0	− 3	0·00	−0·44	39	+ 8	45	+10
5. ENGLAND, SOUTH	76	37	66·5	47·6	56·6	− 0·2	102	− 1	0	0	1	− 2	0·01	−0·46	53	+ 18	62	+21
Western																		
6. SCOTLAND, WEST	71	38	62·6	48·0	55·0	+ 2·0	91	+ 14	0	0	2	− 1	0·15	−0·79	27	− 2	31	− 2
7. ENGLAND, N.W.	72	37	63·3	50·7	56·7	+ 2·1	103	+ 15	0	0	1	− 3	0·02	−0·64	33	+ 4	38	+ 4
8. ENGLAND, S.W.	75	34	66·7	48·3	57·0	+ 1·1	105	+ 8	0	0	0	− 4	0·00	−0·69	54	+ 20	63	+23
9. IRELAND, NORTH	72	45	63·1	51·8	57·2	+ 3·6	106	+ 24	0	0	2	− 2	0·08	−0·61	25	− 1	29	− 1
10. IRELAND, SOUTH	75	43	67·2	51·1	58·7	+ 3·8	117	+ 27	0	0	1	− 2	0·01	−0·63	39	+ 9	46	+10
11. ENGLISH CHANNEL	73	46	66·8	54·2	60·2	+ 1·4	127	+ 9	0	0	0	− 4	0·00	−0·58	65	+ 22	75	+26
THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 1st to 21st, 1907.																		
0. SCOTLAND, NORTH	87	30	*	*	*	*	202	− 10	2	+ 2	15	+ 1	1·93	−0·84	102	+ 26	37	+10
Eastern																		
1. SCOTLAND, EAST	78	28	*	*	*	*	229	− 6	1	0	8	− 2	1·11	−0·50	138	+ 52	51	+19
2. ENGLAND, N.E.	79	30	*	*	*	*	284	+11	0	0	5	− 4	0·45	−0·96	131	+ 42	49	+16
3. ENGLAND, EAST	78	36	*	*	*	*	316	+ 6	0	0	5	− 3	0·39	−0·96	130	+ 21	49	+ 8
4. MIDLAND COUNTIES	76	32	*	*	*	*	297	+12	0	− 1	5	− 3	0·66	−0·69	113	+ 17	42	+ 6
5. ENGLAND, SOUTH	78	37	*	*	*	*	338	+ 5	0	0	6	− 2	0·56	−0·92	133	+ 21	50	+ 8
Western																		
6. SCOTLAND, WEST	76	30	*	*	*	*	253	+ 2	0	0	9	− 1	1·20	−1·45	104	+ 11	39	+ 4
7. ENGLAND, N.W.	80	28	*	*	*	*	297	+13	0	0	6	− 4	0·63	−1·30	107	+ 14	40	+ 5
8. ENGLAND, SW	76	31	*	*	*	*	329	+20	0	0	6	− 4	0·99	−0·98	131	+ 20	49	+ 7
9. IRELAND, NORTH	74	35	*	*	*	*	277	+13	0	0	10	− 2	1·26†	−0·82	72	− 10	27	− 4
10. IRELAND, SOUTH	77	33	*	*	*	*	326	+38	0	0	9	− 1	0·81	−1·14	89	− 7	33	− 3
11. ENGLISH CHANNEL	81	46	*	*	*	*	396	+28	0	0	4	− 6	0·51	−1·11	141	+ 8	53	+ 3
THE YEAR.—Aggregates, &c., for the period of 38 Weeks, December 30th, 1906, to September 21st, 1907.																		
0. SCOTLAND, NORTH	87	8	*	*	*	*	1477	−231	524	− 19	196	+22	37·79	+6·06	942	− 42	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1660	−355	300	+ 11	152	+ 9	20·55	+0·43	1120	− 9	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2126	− 97	501	+ 26	133	+ 4	15·08	−1·79	1263	+146	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2389	−181	518	− 3	124	0	13·76	−2·82	1325	− 11	38	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2275	−246	540	+ 6	134	+11	17·49	−0·59	1180	− 15	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2477	−275	434	+ 53	120	+ 2	14·88	−2·71	1385	+ 30	40	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	1962	−175	404	− 6	162	+12	34·37	+2·50	1090	− 84	31	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2124	−227	418	+ 32	157	+19	23·81	+0·68	1160	− 34	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2312	−289	396	+ 95	151	+16	23·94	−0·71	1285	−113	37	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2010	−241	292	− 53	181	+17	28·60†	+2·64	1022	− 51	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2451	−123	256	− 3	172	+27	23·01	−4·14	1126†	− 78	32	− 2
11. ENGLISH CHANNEL	81	21	*	*	*	*	2775	−179	96	− 13	128	−15	15·26	−5·04	1475	−135	42	− 4

† The corresponding value for a previous week has been altered owing to the receipt of further information.

III.—DATA from which the SUMMARY on page 298 has been calculated.

September 15-21, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°		Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	57	38	52·1	44·3	48·0	− 2·1	42	0	6	0·63	− 0·15	23·9	− 1·1	28	− 1
	Stornoway	62	43	57·3	48·1	52·5	+ 1·6	74	0	2	0·17	− 0·80	23·1	− 2·8	27	− 3
0. SCOTLAND, N. — Mainland.	Wick	68	42	62·7	47·0	54·5	+ 3·2	88	0	3	0·14	− 0·47	*	*	*	*
	†Lairg (Strathpeffer) ..	74	41	64·2	47·0	55·2	+ 4·8	92	0	5	0·16	− 0·53	31·7	+ 5·1	37	+ 6
	Glencarron	61	42	56·8	47·9	52·1	+ 1·4	71	0	5	0·65	− 1·32	*	*	*	*
	Fort Augustus	64	40	61·3	47·6	54·1	+ 1·7	85	0	1	0·16	− 0·76	23·7	+ 4·8	28	+ 6
	Fort William .. .. (West Linton)	63	44	57·8	49·1	53·2	+ 0·4	78	0	4	0·47	− 1·27	*	*	*	*
													24·6	—	29	—
1. SCOTLAND, E.	Nairn	68	40	62·4	47·0	54·3	+ 2·2	86	0	2	0·09	− 0·47	38·6	—	45	—
	Aberdeen	71	42	64·3	47·9	55·7	+ 3·3	96	0	1	0·05	− 0·59	47·5	+ 19·5	55	+ 23
	†Balmoral (Crathes) ..	70	35	63·4	40 7	51·5	+ 2·6	72	4	0	0·00	− 0·71	47·6	—	55	—
	†Crieff (Balruddery) ..	74	38	67·1	45·1	55·6	+ 3·2	95	0	1	0·04	− 0·73	47·6	—	55	—
	†Leith (Edinburgh)	70	45	63·4	50·6	56·7	+ 2·5	103	0	1	0·02	− 0·44	31·1	+ 7·9	36	+ 9
	Marchmont .. .. (Saltburn)	69	39	64·9	44·1	54·0	+ 2·3	84	0	0	0·00	− 0·69	39·2	+ 12·7	46	+ 15
													39·1	—	46	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	73	41	66·2	46·3	55·8	+ 3·1	97	0	0	0·00	− 0·61	38·1	—	44	—
	†Shields (Newcastle)	71	40	63·9	47·9	55·5	+ 2·0	95	0	0	0·00	− 0·48	29·5	+ 7·0	34	+ 8
	Durham	73	41	65·6	46·4	55·5	+ 2·1	95	0	0	0·00	− 0·52	34·6	+ 8·0	40	+ 9
	Scarborough	68	46	63·0	49·9	56·1	+ 1·6	99	0	1	0·02	− 0·53	38·9	—	45	—
	York	74	43	67·2	47·2	56·7	+ 2·3	103	0	0	‡0·01	− 0·52	40·9	+ 13·7	48	+ 16
2. ENGLAND, N.E. — Southern part.	Spurn Head	64	50	61·1	51·0	55·8	− 0·3	97	0	0	‡0·02	− 0·42	*	*	*	*
	†Lincoln (Skegness)	72	40	67·0	46·1	56·1	+ 0·9	99	0	0	0·00	− 0·46	47·5	—	55	—
	†Fulbeck (Rauceby)	74	39	69·4	45·5	56·9	+ 2·1	104	0	0	‡0·01	− 0·46	53·2	—	62	—
3. ENGLAND, E. — Northern part.	Hillington	74	36	68·3	42·2	54·6	− 0·7	88	0	0	0·00	− 0·58	51·9	+ 20·6	60	+ 24
	†Yarmouth (Lowestoft) ..	68	45	62·7	49·1	55·6	− 0·7	95	0	0	0·00	− 0·57	49·8	—	58	—
	Geldeston .. .. .. (Cromer)	75	37	67·2	43·3	54·7	− 1·0	89	0	0	0·00	− 0·55	47·3	+ 12·0	55	+ 14
													49·4	—	57	—
3. ENGLAND, E. — Southern part.	Cambridge	74	41	68·8	45·4	56·5	+ 0·3	102	0	0	0·00	− 0·47	53·7	+ 19·9	62	+ 23
	Felixstowe	68	42	64·1	46·9	55·1	− 0·7	92	0	0	0·00	—	59·7	—	69	—
	Clacton-on-Sea	69	46	64·9	49·9	57·0	0·0	105	0	1	0·01	—	60·0	—	70	—
	Rothamsted	69	39	65·6	44·7	54·7	+ 0·1	89	0	1	0·01	− 0·54	54·8	+ 21·8	64	+ 25
	†Shoeburyness (Southend) ..	68	45	64·7	48·1	56·0	− 1·7	98	0	0	0·00	− 0·45	52·3	—	61	—
	London, Westminster .. (Dunmow)	71	46	68·0	49·3	58·2	+ 1·3	113	0	0	0·00	− 0·48	39·2	+ 13·4	46	+ 16
													55·9	—	65	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	74	39	65·1	46·9	55·6	+ 2·4	95	0	0	0·00	− 0·57	41·8	—	49	—
	†Bawtry (Worksop)	73	39	65·3	46·4	55·4	+ 0·9	94	0	0	0·00	− 0·46	32·7	+ 6·0	38	+ 7
	Nottingham	71	44	67·6	48·7	57·7	+ 2·8	110	0	0	0·00	− 0·50	27·4	—	32	—
	Birmingham, Edgbaston ..	69	45	65·6	50·6	57·7	+ 3·2	110	0	0	0·00	− 0·55	22·6	—	26	—
	Oxford	73	42	67·6	46·9	56·8	+ 1·2	104	0	0	0·00	− 0·48	48·7	+ 15·9	57	+ 19
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) ..	69	44	64·8	48·4	56·2	+ 2·9	99	0	0	0·00	− 0·66	23·8	—	28	—
	Shrewsbury	70	44	67·7	48·8	57·8	+ 2·6	111	0	0	0·00	—	*	*	*	*
	Hereford	71	38	67·9	46·5	56·7	+ 2·2	103	0	0	‡0·01	− 0·53	*	*	*	*
	Cirencester	72	41	66·8	44·8	55·3	+ 1·2	93	0	0	0·00	− 0·63	56·3	+ 25·0	66	+ 29
	Bath .. .. (Margate)	73	39	67·1	45·1	55·6	+ 0·2	95	0	0	0·00	− 0·64	54·5	—	63	—
													55·0	+ 21·1	64	+ 25
5. ENGLAND, S.	Kew	70	42	66·5	47·0	56·3	+ 0·1	100	0	0	‡0·01	− 0·47	39·8	+ 8·1	46	+ 9
	Wisley, Surrey	72	40	67·8	44·0	55·3	− 1·4	93	0	0	0·00	—	46·7	—	54	—
	†Swarraton (Ventnor) ..	71	37	66·4	42·3	53·8	− 0·8	83	0	0	‡0·03	− 0·57	62·6	+ 24·0	73	+ 28
	Tunbridge Wells ..	71	42	67·2	46·1	56·2	+ 0·6	99	0	0	‡0·01	− 0·58	55·5	+ 19·9	65	+ 23
	†Dungeness (Littlestone) ..	67	43	64·7	49·7	56·8	− 0·9	104	0	1	0·03	− 0·53	54·0	—	63	—
	Hastings	71	48	67·1	50·4	58·4	+ 1·0	115	0	1	0·02	− 0·63	58·7	+ 20·7	68	+ 24
	Southampton	76	44	69·3	47·9	58·1	+ 0·8	113	0	0	0·00	− 0·60	56·1	+ 20·2	65	+ 24
	†Portland Bill (Worthing) .. (Eastbourne)	65	50	63·0	53·6	58·1	− 0·6	113	0	0	0·00	—	55·2	—	64	—
													59·8	+ 21·9	70	+ 25
6. SCOTLAND, W.	Laudale	62	41	59·4	48·8	53·9	+ 0·8	83	0	5	0·49	− 1·20	*	*	*	*
	Poltalloch	63	40	59·0	47·4	52·9	− 0·4	76	0	5	0·31	− 0·89				
	Glasgow	67	43	60·9	49·7	55·0	+ 2·7	91	0	0	0·00	− 0·90	18·0	− 4·6	21	− 5
	Rothesay	69	43	62·3	50·0	55·9	+ 2·6	97	0	3	0·08	− 0·98				
	Dumfries	71	38	64·7	48·0	56·0	+ 2·4	98	0	0	0·00	− 0·79	*	*	*	*
	Cally	71	40	64·3	45·5	54·5	+ 2·1	88	0	2	0·22	− 0·73	*	*	*	*
	Douglas, Isle of Man	68	38	63·7	48·1	55·5	+ 2·1	95	0	1	0·06	− 0·81	35·4	+ 2·9	41	+ 3
7. ENGLAND, N.W.	Aspatria	70	44	61·9	48·3	54·8	+ 2·2	90	0	0	0·00	− 0·93	25·5	—	30	—
	Newton Rigg	71	37	64·7	46·1	55·0	+ 3·0	91	0	0	0·00	− 0·72	27·5	− 0·3	32	0
	Stonyhurst	66	45	61·5	49·3	55·1	+ 1·5	92	0	1	0·07	− 0·97	24·8	− 3·8	29	− 5
	Blackpool	64	47	60·5	52·2	56·2	+ 1·4	99	0	1	0·05	− 0·75	18·3	− 10·6	21	− 12
	Manchester, Prestwich ..	72	44	65·6	48·7	56·7	+ 2·8	103	0	0	0·00	− 0·84	24·8	− 0·5	29	− 1
	†Liverpool Obs. (Hoylake) ..	64	51	61·4	53·3	57·2	+ 1·9	106	0	0	‡0·01	− 0·67	27·6	—	32	—
	†Hawarden Bridge (Southport)	69	49	64·7	53·8	59·0	+ 3·5	119	0	0	0·00	− 0·53	18·1	− 11·6	21	− 14
NORTH WALES	Llandudno	65	51	62·8	54·0	58·2	+ 1·9	113	0	1	0·03	− 0·63	39·4	+ 9·9	46	+ 12
	†Holyhead (Aberdovey) ..	66	49	62·1	53·1	57·4	+ 1·4	108	0	1	0·02	− 0·68	53·2	—	62	—
	Bettws-y-Coed .. .. (Aberystwyth)	71	41	67·4	48·4	57·4	+ 1·8	108	0	0	0·00	—	55·2	—	64	—
													45·0	—	52	—
SOUTH WALES	Llangammarch Wells	71	34	67·2	43·7	54·9	+ 1·3	90	0	0	0·00	—	45·0	—	52	
	Pembroke	68	48	64·6	52·1	58·1	+ 1·9	113	0	0	0·00	− 0·75	53·9	+ 20·3	63	+ 24
	Cardiff	73	37	67·5	44·9	55·7	− 0·1	96	0	0	0·00	− 0·91	46·8	—	54	—
8. ENGLAND S.W.	Clifton	74	44	67·8	50·0	58·5	+ 1·7	116	0	0	0·00	− 0·72	55·8	—	65	—
	†Shaftesbury (Marlborough)	72	42	65·7	47·4	56·1	+ 1·1	99	0	0	0·00	− 0·69	47·4	+ 18·4	55	+ 21
	†Arlington (Newquay)	74	40	67·3	47·4	56·9	+ 2·1	104	0	0	0·00	− 1·11	64·2	+ 29·2	75	+ 34
	Cullompton	75	36	69·3	43·6	55·8	− 0·3	97	0	0	‡0·01	− 0·67	53·9	+ 22·3	63	+ 26
	Plymouth	69	46	67·0	51·2	58·7	+ 1·6	117	0	0	0·00	− 0·73	62·6	+ 27·6	73	+ 32
	Falmouth .. .. .. (Torquay)	66	50	63·6	54·3	58·7	+ 2·0	117	0	0	0·00	− 0·90	62·7	+ 26·7	73	+ 31
													62·3	+ 25·8	72	+ 30
9. IRELAND, N. — Western part.	Malin Head	64	51	60·1	53·0	56·4	+ 2·2	101	0	2	0·07	− 0·62	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	68	50	63·4	52·9	57·9	+ 2·9	111	0	3	0·14	− 0·84	*	*	*	*
	Markree Castle	72	45	65·5	51·3	58·1	+ 5·5	113	0	2	0·11	− 0·77	27·9	+ 2·9	32	+ 3
9. IRELAND, N. — Eastern part.	Armagh	71	45	65·7	51·0	58·0	+ 5·2	112	0	2	0·04	− 0·62	22·0	− 4·3	26	− 5
	Donaghadee	65	46	60·9	51·0	55·7	+ 1·7	96	0	0	‡0·03	− 0·62	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	65	49	63·7	53·0	58·1	+ 3·0	113	0	0	0·00	− 0·52	24·3	− 8·2	28	− 10
	Kilkenny	72	44	67·6	50·6	58·7	+ 4·4	117	0	0	0·00	− 0·62	*	*	*	*
	Waterford	71	45	68·3	50·9	59·2	+ 4·3	120	0	0	0·00	− 0·74		*	*	*
10. IRELAND, S. — Western part.	Birr Castle	74	43	68·4	49·7	58·6	+ 5·0	116	0	1	0·02	− 0·61	33·3	+ 4·1	39	+ 5
	Foynes	73	48	66·9	51·0	58·6	+ 4·0	116	0	0	‡0·03	− 0·67	*	*	*	*
	Killarney	75	45	71·1	49·9	60·0	+ 4·7	126	0	0	0·00	− 0·91	*	*	*	*
	Valencia	74	46	66·0	50·1	57·7	+ 1·8	110	0	0	0·00	− 1·05	53·7	+ 24·0	62	+ 28
	†Roches Point (Ballinacurra) ..	69	49	65·3	53·3	59·0	+ 3·1	119	0	0	‡0·02	− 0·80	46·0	—	54	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	65	55	64·1	56·1	59·9	+ 1·9	125	0	0	0·00	− 0·73	62·7	+ 24·5	73	+ 29
	†Jersey, St. Aubins (St. Heliers)	73	46	68·0	52·9	60·1	+ 0·3	127	0	0	0·00	− 0·71	67·4	+ 26·2	78	+ 31
	Guernsey	71	49	68·2	53·7	60·6	+ 1·6	130	0	0	0·00	− 0·75	63·4	+ 24·0	74	+ 28

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Fog, mist or dew.

Additional Sunshine Totals for the week: Ramsgate, 55·8 hrs., 65 %; Brighton, 54·6 hrs. (+17·3), 64 % (+ 20 %); Bournemouth, 52·6 hrs., 61 %; Bognor, 54·3 hrs., 63 %; Rhyl, 44·9 hrs., 52 %; Tenby, 52·1 hrs. (+17·6), 61 % (+21 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·4
	Crathes	1	28	54·3	52·8
	Balmoral	1	30	—	—
	Marchmont ..	0	33	54·4	—
2.	Cockle Park	0	33	53·9	52·9
	York	—	—	56·1	55·0
	Hull	0	35	54·4	55·0
	Lincoln	—	—	57·4	56·0
3.	Lowestoft	0	37	57·8	58·1
	Cambridge	0	35	53·5	58·5
	Dunmow	0	38	—	—
	Clacton-on-Sea ..	0	34	58·5	58·5
4.	Harrogate	0	36	54·1	53·2
	Sheffield	0	36	56·0	54·8
	— — ..				
	Birmingham	0	34	54·8	53·2
	Nottingham	0	40	56·5	57·0
	— — ..				
5.	Kew	0	33	57·0	57·5
	Canterbury	0	37	59·0	58·9
	Portsmouth	0	37	59·4	59 8
	Wisley	0	33	58·3	58·5
6.	Glasgow	0	34	—	—
	Rothesay	—	—	—	53·5
	Dumfries	0	34	—	—
	Douglas	0	35	—	—
7.	Newton Rigg ..	0	32	56·4	54·4
	Southport	0	43	59·7	58·8
	Manchester City ..	0	38	57·3	56·2
	Bettws-y-Coed ..	0	40	54·6	54·0
	— — ..				
8.	Llangammarch Wells	1	29	57·6	55·0
	— — ..	—	—	—	—
	Bath	—	—	60·7	60·7
	Plymouth	0	41	58·8	—
9.	Armagh	0	39	57·8	56·1
	Markree Castle ..	0	41	—	—
10.	Dublin, Trin. Coll. ..	0	39	57·7	56·3
11.	Guernsey, Brooklyn	0	38	60·8	61·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	49	49·4
	Kirkwall	57	52	53·1
	Wick	52	51	51·4
SCOTLAND, E.	Cromarty	55	52	53·5
	Pennan Bay	56	52	53·6
	Aberdeen, Cove Bay ..	55	51	53·0
ENGLAND, N.E.	Burnmouth, Berwick ..	55	51	53·0
	Scarborough	57	50	52·5
ENGLAND, E.	Shipwash Lightship ..	64	58	60·5
	Margate	63	61	61·8
ENGLAND, S.E.	Eastbourne‡	62	61	61·6
SCOTLAND, W.	Lamlash	56	54	54·8
	Ballantrae	54	52	53·3
ENGLAND, N.W.	Port Erin	58	56	56·4
ENGLAND, S.W.	Newquay	60	60	60·0
	Plymouth‡	60	59	59·9
	Salcombe	60	58	58·8
IRELAND, N.W.	Sheephaven	58	57	57·3
	Ballyglass	61	57	58·2
IRELAND, S.W.	Cleggan	61	57	58·4
	Seafield	65	58	60·6
IRELAND, E.	Kingstown‡	59	58	58·2

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

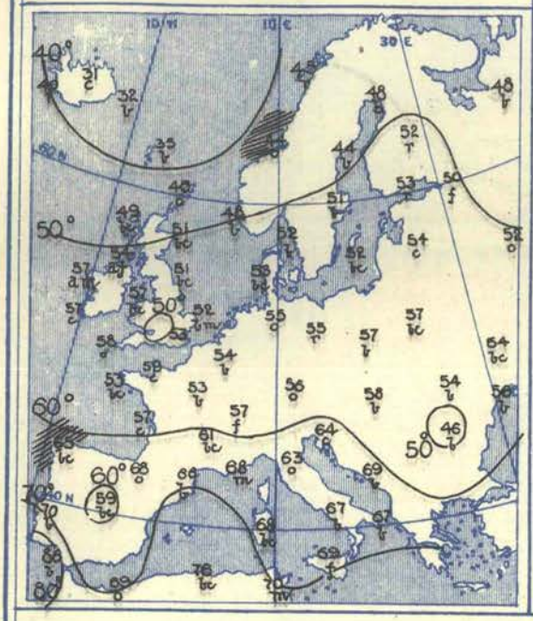
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 15th September, 1907.

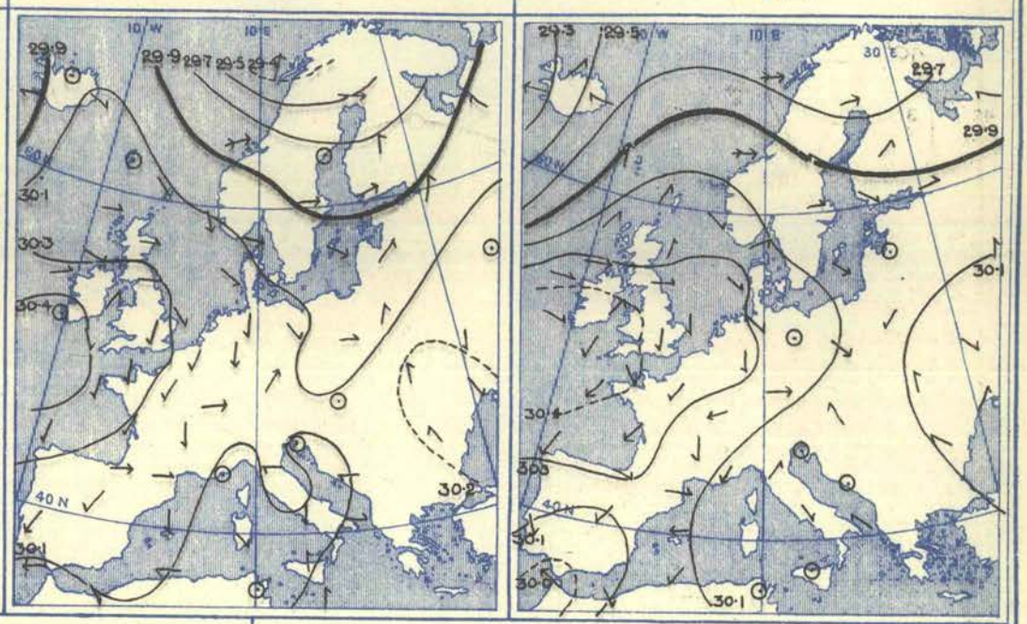
Temperature and Weather. 8 a.m.



Weather in morning fair or fine generally, but dull in places, and rainy in the north-west of Ireland and in some parts of Germany, as well as at Helsingfors and Bodö. Rain falling later in some Continental districts, rather heavily at Berlin, Buda-Pesth, and Malta, and a thunderstorm, with about 1·5 in. of rain, occurring at Tunis.

Temperature changed rather irregularly as a whole, but risen in Austria and the extreme south-west of our area. Readings in morning as high as 86° at San Fernando, 77° at Oporto and Barcelona, and 76° at Algiers. Below 50° over a considerable portion of northern Europe and in the north of Scotland, and only a little above 30° at some stations in Iceland. Maxima during day below 65° at nearly all our own stations and over most of Germany. Readings between 75° and 80° numerous over southern Europe; thermometer rising to 88° at Lisbon and Sanguinaire, and to 93° at Tunis.

Barometer and Wind. 8 a.m. and 6 p.m.

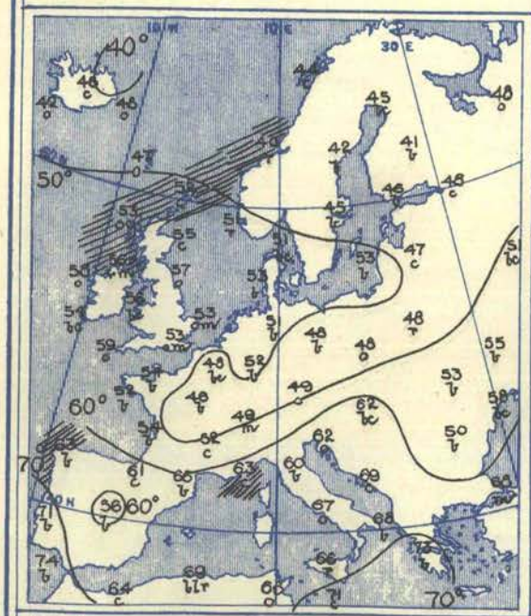


Wind in morning fresh from the Southward in the north-west of Iceland, strong to a gale from the South-Westward in Norway, and moderate from West or South-West in Sweden and Finland. Light cyclonic breezes prevailing over these Islands and their vicinity, and light winds, mainly cyclonic, over the Mediterranean. Southerly current becoming general and increasing in force between Scotland and Iceland during day, but not much change elsewhere. Easterly wind increasing in strength in the south of Spain.

Barometer in morning 30·2 ins. to above 30·4 ins. in a very extensive anticyclonic system stretching from the Atlantic over these Islands, France, the Low Countries, and the North Sea. Below 29·4 ins. in a depression off the north of Norway. Latter moving eastwards during day, but a large disturbance advancing on Iceland and causing a very brisk fall of the barometer in that region. High pressure system continuing to spread eastwards.

Monday, 16th September, 1907.

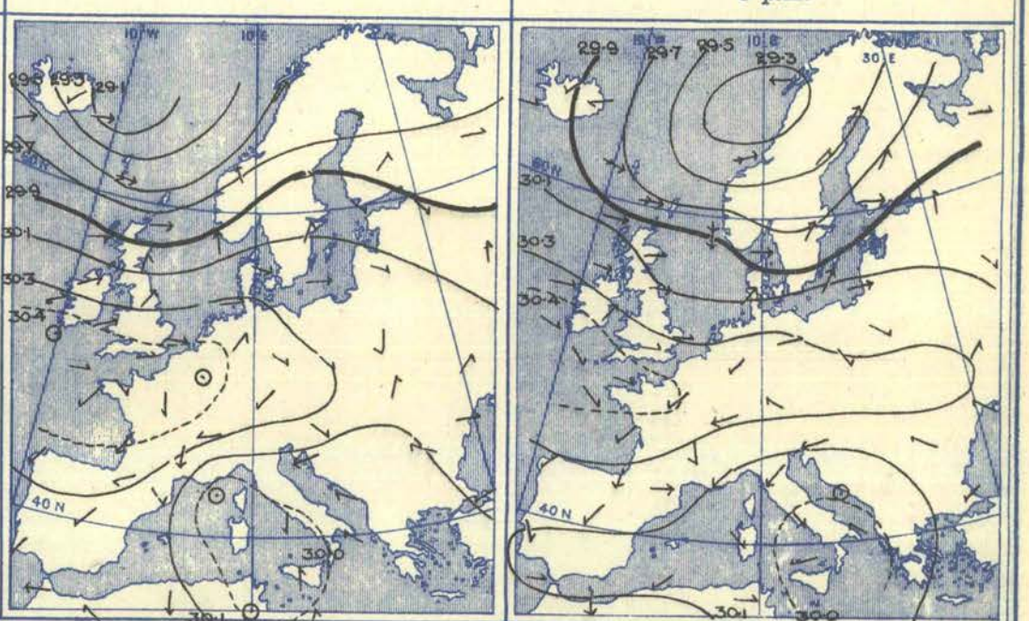
Temperature and Weather. 8 a.m.



Weather in morning dull and rainy at some places in the north-west of our area, as well as at some Italian stations; fair or fine over Europe generally, but rainy at Cracow and Warsaw. A thunderstorm in progress at Algiers. Rain falling later in Norway—heavily in the north—and also in the north-west of Russia and in Italy. Conditions continuing very fine over these Islands.

Temperature risen over the United Kingdom and Iceland; readings in morning above 70° very generally in the Mediterranean region, and above 70° in a few localities. Below 50° over a large part of inland Europe and as low as 40° at Christiansund. Thermometer rising to about 70° at some of our stations during day. Maxima above 80° very generally in the Mediterranean region and as high as 90° at San Fernando. Thermometer remaining below 65° over a large part of central Europe.

Barometer and Wind. 8 a.m. and 6 p.m.

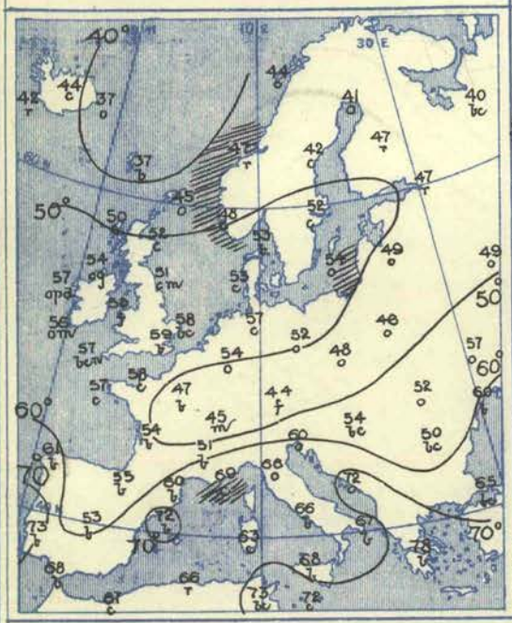


Wind in morning fresh to strong from the Westward on our north-west coasts, and strong to a gale from that quarter over the Iceland-Faeröe region; drawing into South on the coast of Norway and blowing rather strongly. Light to moderate anticyclonic breezes prevailing over England and France, and a complete cyclonic movement over Italy and its vicinity. Increasing to a gale by evening from between West and North-West on the north coast of Scotland and over all the region between Norway and Iceland, and attaining the force of a strong breeze to a gale over the upper portion of the Baltic.

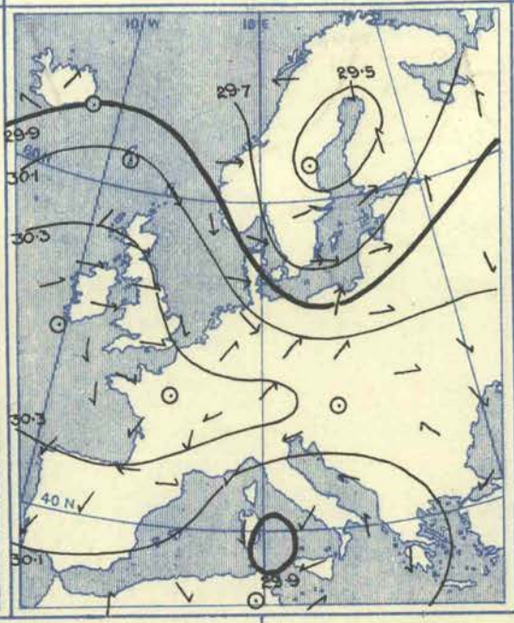
Barometer in morning ranging from above 30·4 ins. in a large high pressure system covering the south of these Islands, the adjacent portion of the Continent, and the Bay of Biscay, to less than 30·0 ins. in a depression over the Mediterranean, and to below 29·1 ins. in a very large disturbance having its minimum to the north-eastward of Iceland. Gradients steep beyond the north of Scotland. Northern depression travelling eastwards during day, and pressure recovering very quickly in its rear over Iceland.

Tuesday, 17th September, 1907.

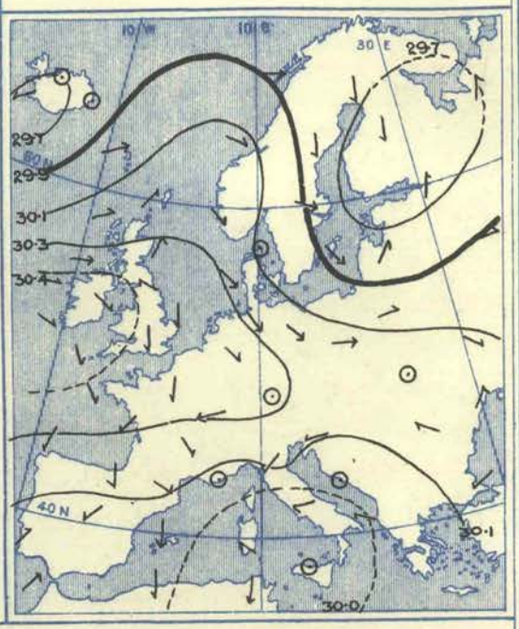
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull, with some rain in Finland, overcast or foggy over central Europe, and overcast, with rain or snow, in western Iceland. Fair or fine in most other regions, but showery and cloudy in the west of Ireland, and unsettled and rainy in the north of Italy. Rain falling later in Sicily, Malta, and Algeria, and also in a few scattered localities in the north of Europe.

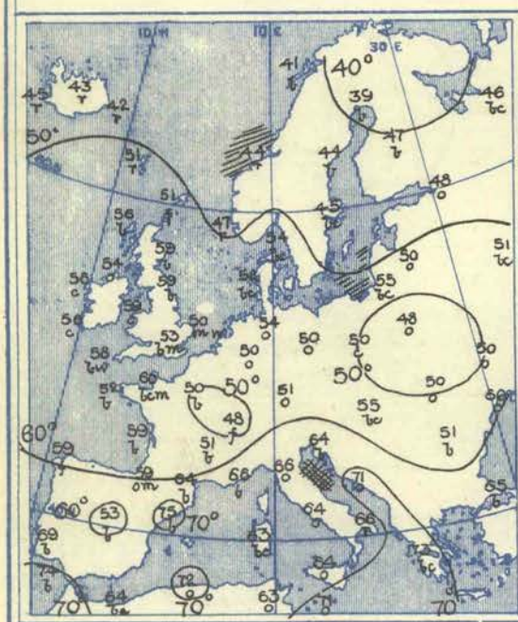
Temperature changed rather irregularly, but fallen in most districts. Readings in morning nearly 60° in some parts of England and Ireland, above that value at most southern stations, and as high as 73° at Lisbon and 78° at Athens. Below 50° over most of inland Europe and in the northern countries, and less than 40° in eastern Iceland. Maxima during day about 70° in southern England and the north of France, above 80° over the Mediterranean region, and 86° at Lisbon, San Fernando, and Athens. Maxima less than 60° at some German and Polish stations.

Wind in morning cyclonic over the north-east of our area and over the Mediterranean, anticyclonic over the United Kingdom and the central countries; Westerly and North-Westerly current strong to a gale in the south of Scandinavia and over Denmark, and a strong East breeze prevailing at Trieste and Oporto. Wind veering later over Scandinavia and decreasing in force.

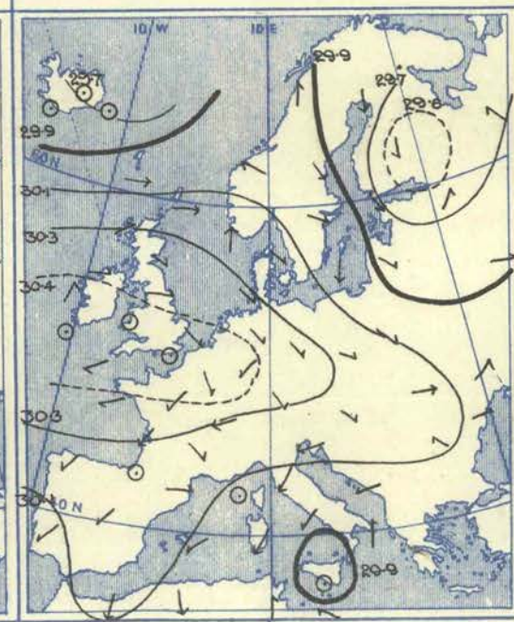
Barometer in morning above 30·4 ins. over Brittany, our south-west coasts, and the adjacent portion of the Atlantic, and above 30·2 ins. in an anticyclonic band extending across central Europe to the south of Russia. Below 29·9 ins. in a depression over the Mediterranean, and less than 29·5 ins. in another system having its minimum over the Gulf of Bothnia. Little change occurring in the general distribution during day, but a fresh depression of no great depth appearing over Iceland.

Wednesday, 18th September, 1907.

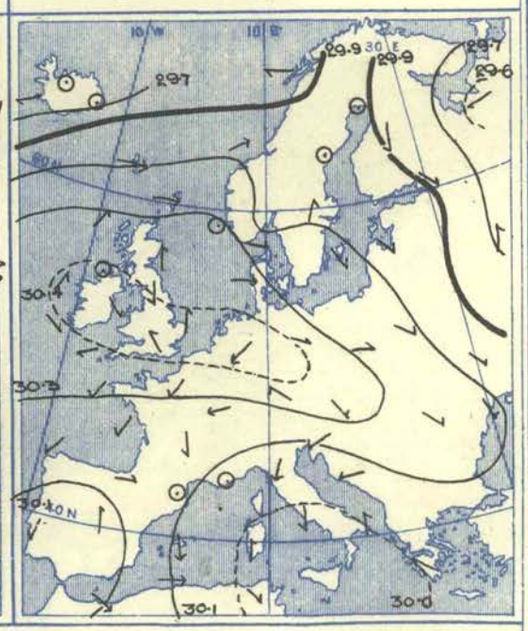
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Iceland and the west of Norway, and showery at Castlebay. Fair or fine over our area generally, but overcast in Italy, with rain at Brindisi. Atmosphere rather misty in several parts of England. Rain experienced later in Italy and a thunderstorm at Algiers. Conditions continuing fine in almost all other regions, but some rain experienced in various Russian districts.

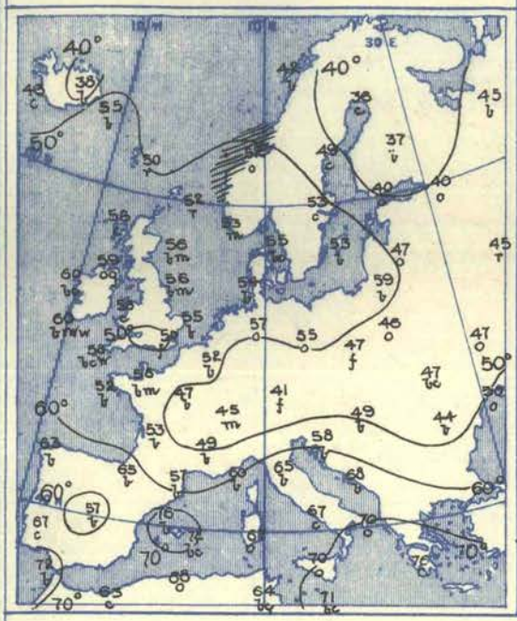
Temperature changed rather irregularly, but risen in most localities. Readings in morning nearly 60° in various parts of these Islands, above 65° in most districts of southern Europe, and as high as 74° at San Fernando and 75° at Barcelona. About 50° over a large portion of central Europe, and below 40° in the north of Finland. Rising to 70° at Aberdeen during day, to 71° at North Shields and Bettws-y-Coed, and to 74° at Harrogate. Maxima less than 60° in several parts of Germany and Austria—only 54° at Prague. Thermometer rising to about 80° in many southern regions, and touching 86° at San Fernando.

Wind in morning showing a very extensive anticyclonic circulation around the United Kingdom and its vicinity, and cyclonic movements over the north-east and south of our area. A strong breeze from North prevailing at Wisby, but scarcely any other force beyond a moderate breeze. No change of importance during day.

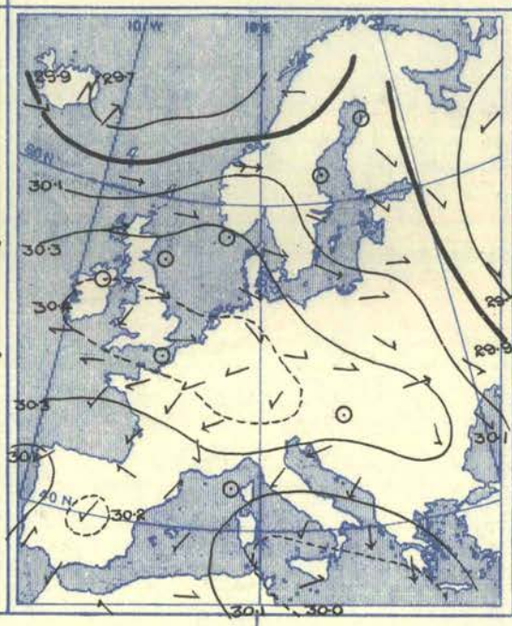
Barometer in morning ranging from above 30·4 ins. in a large high pressure system having its central area over this country and the Netherlands, to below 29·9 ins. in a depression over Sicily and its vicinity, to less than 29·7 ins. in the north of Iceland, and to less than 29·6 ins. in a disturbance over Finland and the adjacent portion of Russia. Little change in the general distribution later. Anticyclone extending somewhat in an easterly direction.

Thursday, 19th September, 1907.

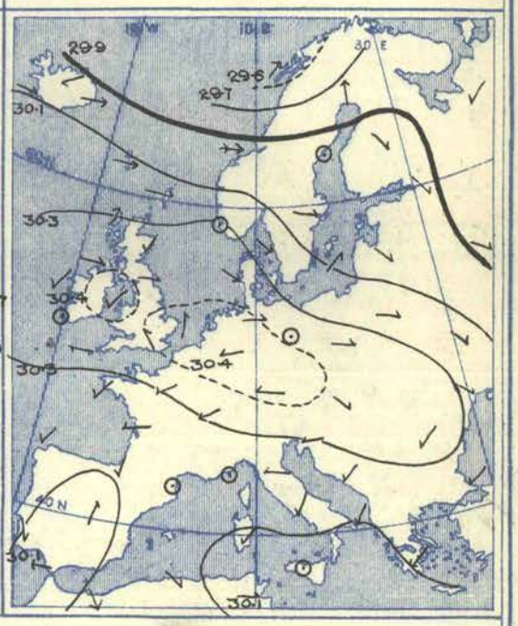
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over our area generally, but foggy or misty in some localities, and rainy at Moscow, and at Sumburgh Head and Thorshavn. Rain falling later in Norway, a few parts of Russia, and at Palermo.

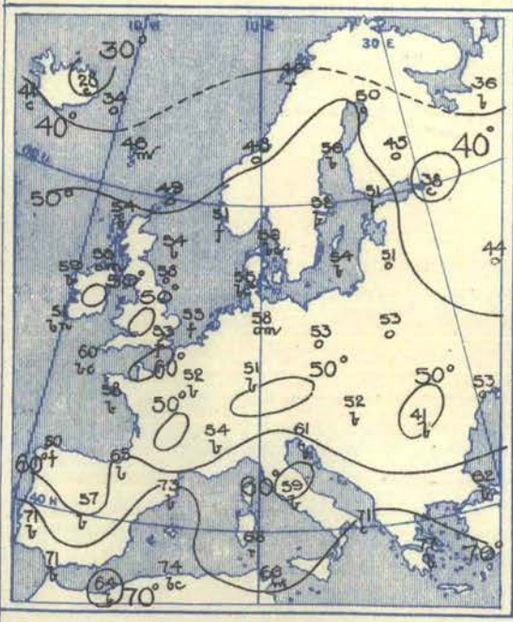
Temperature risen in Norway, the Baltic region, and at some stations in the south of our area, fallen generally. Readings in morning 76° at Patras, 72° at San Fernando, Barcelona, and Palma, and above 65° over a large part of the Mediterranean region. Below 50° over most of inland Europe and at some stations in central England, and below 40° in Finland and the north of Sweden. Thermometer rising to 90° later at Bilbao, to 80° or above at many other stations in the south, but remaining below 60° in some parts of central Europe, and only touching 55° at Breslau. Maxima 70° or rather higher in several parts of Great Britain and the south of Ireland.

Wind in morning strong to a gale from the Westward in the area between Iceland and Norway, high from the Eastward at Belfort and Trieste, and light or moderate from between North and East over southern Europe as a whole. A vast anticyclonic circulation prevailing over our Islands and most of the Continent. No general change taking place during day; wind falling light at Trieste.

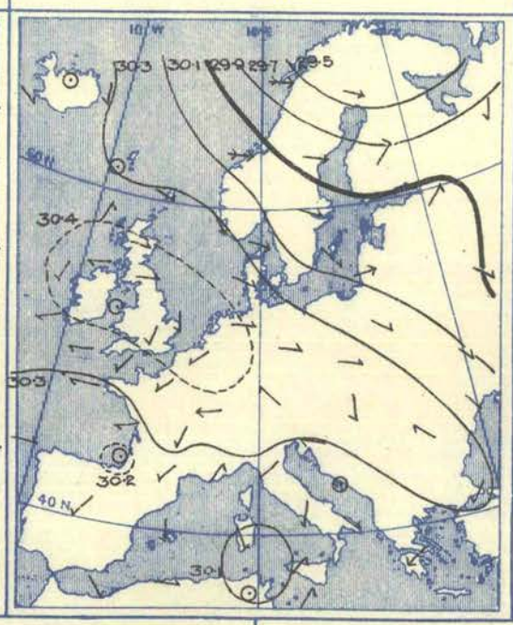
Barometer in morning 30·2 ins. to above 30·4 ins. in a very large anticyclone covering the United Kingdom, the North Sea, and a very considerable portion of the Continent. Below 30·0 ins. over the central part of the Mediterranean, and less than 29·7 ins. in the far north and north-east of our area. Pressure increasing in the latter regions during day; change brisk in Iceland. No important modification occurring within the region of highest pressure.

Friday, 20th September, 1907.

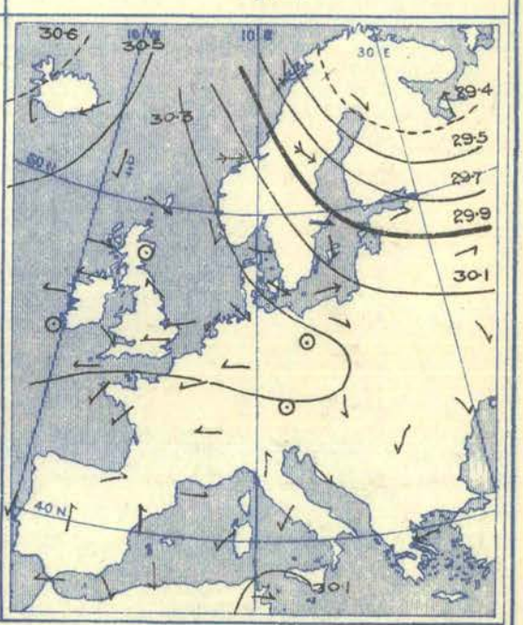
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in most of Russia and in several parts of Poland and Austria-Hungary, but fair or fine in most other regions; some mist or fog prevailing over England and the adjacent part of the Continent, and rain falling at Bodö. Rain experienced later in Norway and Shetland, as well as at Tunis; conditions continuing very fine generally.

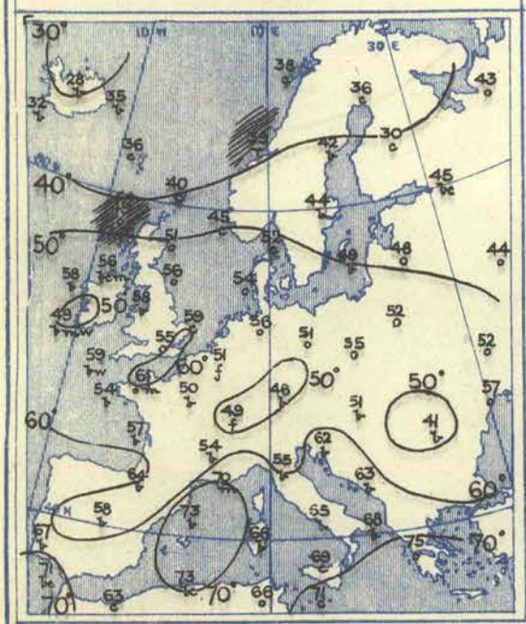
Temperature fallen generally, risen in Finland and Poland. Readings in morning 77° in Greece and above 70° or only slightly below it at many stations in the south of our area. Below 50° in some parts of France, England, and Ireland, and over large tracts of Russia and Scandinavia, and less than 40° in the extreme north-east. Thermometer 32° or below in parts of Iceland. Maxima during day nearly 90° at a few southern stations, and about 70° in various parts of central Europe and over a considerable portion of the United Kingdom.

Wind in morning anticyclonic over our Islands and the major portion of the Continent, and cyclonic in the far south and north. Westerly current strong to a gale in the northern half of Scandinavia, and a high wind from North North-East blowing at Athens; little force elsewhere. Not much change as a whole later; continuing strong to a gale in Scandinavia.

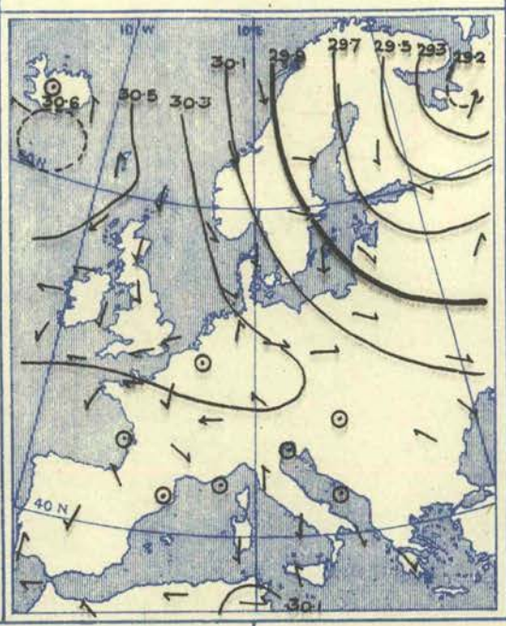
Barometer in morning above 30·4 ins. in the west of Iceland and in a very large high pressure system covering most of this country and some parts of central Europe. Below 30·1 ins. in a depression over the Mediterranean, and less than 29·5 ins. in the extreme north of Europe. Pressure continuing to increase over the Icelandic region and becoming highest over Iceland by evening. Not much change in the distribution on the Continent. Disturbance in far north moving eastwards.

Saturday, 21st September, 1907.

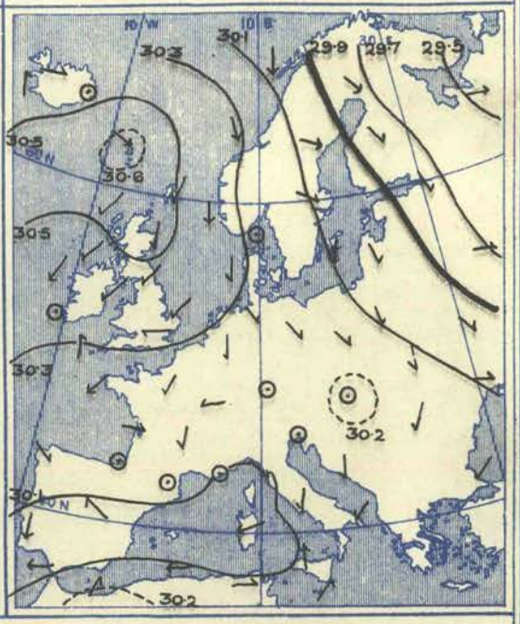
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine in nearly all parts of our area, but overcast in some Russian and German localities, and rainy at Christiansund and Hangö, as well as at some Scottish stations. Slight rain later at some places in the east of England and also in various places in the north and south of the Continent.

Temperature fallen in most places. Readings in morning below the freezing point in Iceland and not much above it in northern Finland; below 50° over northern Europe generally and in several parts of France. Above 65° at most stations in the Mediterranean region, and above 70° in a few places. Rising later in day to 70° at Birr Castle and Jersey, but continuing below 60° in many parts of Great Britain, and only reaching 50° at Nairn and 45° at Sumburgh Head. Maxima high over southern Europe, about 80° in many regions, 87° at Limoges, and 88° at Madrid and San Fernando.

Wind in morning moderate to strong from between North and North-West over Scandinavia and the Baltic, light and rather variable over southern Europe, and light and anticyclonic over our Islands and the adjacent portion of the Continent. Very little change occurring during day; a gale from North springing up at Wisby by evening.

Barometer in morning above 30·5 ins. between Iceland and Scotland, and above 30·3 ins. over the whole of the United Kingdom, the Low Countries, and most of Germany. Decreasing to below 29·2 ins. over the White Sea. Pressure decreasing rather decidedly in Iceland later, and rising in Scotland and Norway. Barometer becoming highest between Shetland and the Faeroe by evening. Not much change occurring in the general distribution on the Continent. Barometer rising in the north of Russia.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟿ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
Sept. 17th, 9.50 a.m.	Pyrton Hill, Oxon, 560 ft.	Temperature F.	63°	57°	[52°]					One kite, 67 sq. ft. Max. height, 2,800 ft., Weather fine.
		Humidity	80%	80%	[90%]					
		Wind Velocity, m. per hr.	NW, 12	NW, 25	[NW, 25]					
Sept. 20th, 8.20 p.m. to 9.10 p.m.	Brighton, 380 ft.	Temperature F.	55°	64°						Clear sky. Change of wind occurred suddenly at 800 ft. Wind strongest at a low altitude, decreasing rapidly above.
		Humidity	95%	70%						
		Wind Velocity, m. per hr.	ENE, *20	E, 25						
Sept. 21st, 9.20 p.m. to 10.35 p.m.	Brighton, 380 ft.	Temperature F.	55°	52°	[47°]					Clear sky to overcast. Very regular wind. Clouds, 2,300 ft. Max. height, 2,800 ft.
		Humidity	95%	80%	[90%]					
		Wind Velocity, m. per hr.	ENE, *20	NE by E, 25	[—, 25]					
Sept. 22nd, 10.5 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature F.	57°	52°						Fracto-Cu., to clear sky. Gusty wind. Convection currents. Max. height, 2,400 ft.; temp. 47°.
		Humidity	70%	90%						
		Wind Velocity, m. per hr.	NE by E, 25	NE by E, 25						

* Estimated.

63, Victoria Street, London, S.W. *September 25th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 39. THIRTY-NINTH WEEK, ENDING SATURDAY, SEPTEMBER 28TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather continued generally fine until nearly the close of the week, when it became less settled, and several parts of the Kingdom experienced a little rain. Thunder and more than an inch of rain occurred at Valencia on Wednesday, and a thunderstorm with 1·18 in. of rain was experienced at Falmouth on Thursday; thunder and lightning also took place on the latter occasion at Strathpeffer. Much mist or fog prevailed at times—principally on the north-east coasts and towards the end of the week.

Temperature was above the average, the excess ranging from 3° in England N.E. to rather above 5° in England N.W. and Ireland N., and to nearly 6° in Ireland S. The highest of the maxima occurred generally about the middle of the week, when they were as high as 81° in England E. (at Hillington) and England N.W. (at Aspatria). In Scotland N. and W. the thermometer rose to 79° and in most other districts to above 70°; in Scotland E. and Ireland N., however, there was no higher reading than 69°. The lowest of the minima were recorded early in the week; in Scotland N. (at Wick) the thermometer fell to 29°, and in England E. (at Cambridge) to 31°, readings within a few degrees of the freezing point being registered in several other parts of Great Britain. In Ireland, however, the lowest reading was 45°, and in the English Channel 47°. The lowest grass readings reported were 28° at Kew and 29° at Dunmow.

Mean Temperature of the Sea showed little variation as a whole from that of the past two or three weeks. The actual figures ranged from 61°·1 at Margate and about 60° at Eastbourne, Seafield and on the south-west coast of England, to 50° at Lerwick.

Rainfall was again much less than the average. Many stations in Great Britain and a few in Ireland continued entirely without rain.

Bright Sunshine exceeded the normal over England and in Scotland N., but was below it elsewhere. The percentage of the possible duration ranged from 62 in England E. and 53 in England S. to 28 in Scotland E., 27 in Scotland W., and 22 in Ireland N.

Barometer and Wind.—At the commencement of the week the central part of an anticyclone lay directly over these Islands, but it subsequently moved away slowly to the Continent, while a large depression extended very steadily over the United Kingdom from the Atlantic. The winds most prevalent were consequently from the Southward or South-Eastward, and they were not often stronger than a light or moderate breeze. By the end of the week pressure was lowest in a shallow disturbance over the Bay of Biscay, and in a deeper one over the Icelandic region, so that the wind blew from the Eastward over England, and from the Westward in the far north of our Islands.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 300.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Light	Very light	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 4 weeks from Sept. 1st.	Warmth ...	3 * 1	2 * 1	3 * 1	2 * 0	3 * 1	2 * 0	3 * 1	3 * 1	3 * 0	3 * 1	3 * 1	3 * 0
	Rainfall ...	1 * 3	1 * 3	0 * 3	0 * 3	1 * 3	0 * 3	0 * 3	0 * 3	1 * 3	0 * 3	0 * 2	1 * 2
	Sunshine ...	2 * 0	3 * 0	3 * 0	3 * 1	3 * 1	3 * 1	1 * 0	2 * 0	2 * 1	0 * 2	1 * 3	1 * 1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (39th)—September 22nd to 28th, 1907.

DISTRICTS. (See p. 307.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	79	29	61·8	47·4	54·3	+ 4·7	86	+ 30	0	0	4	- 1	0·26	-0·93	24	+ 3	29	+ 4
Eastern																		
1. SCOTLAND, EAST	69	36	61·7	46·3	53·6	+ 3·2	81	+ 20	0	-2	2	- 3	0·05	-0·47	23	- 1	28	- 1
2. ENGLAND, N.E.	74	36	64·8	46·6	55·3	+ 3·0	93	+ 20	0	0	2	- 2	0·05	-0·35	36	+ 11	43	+13
3. ENGLAND, EAST	81	31	66·8	48·5	57·2	+ 3·6	106	+ 24	0	-1	1	- 3	0·03	-0·52	51	+ 20	62	+24
4. MIDLAND COUNTIES	77	34	67·7	45·5	56·0	+ 3·6	98	+ 23	0	-1	1	- 3	0·02	-0·52	38	+ 11	45	+13
5. ENGLAND, SOUTH	78	33	67·8	50·9	59·0	+ 4·0	119	+ 27	0	0	1	- 3	0·03	-0·59	44	+ 13	53	+16
Western																		
6. SCOTLAND, WEST	79	40	64·2	48·8	56·0	+ 4·4	98	+ 31	0	0	1	- 4	0·02	-1·13	22	- 2	27	- 3
7. ENGLAND, N.W.	80	40	67·0	49·7	58·0	+ 5·1	112	+ 35	0	0	1	- 3	0·01	-0·81	34	+ 7	41	+ 9
8. ENGLAND, S.W...	75	35	66·1	51·0	58·2	+ 3·9	113	+ 27	0	0	1	- 3	0·27	-0·62	34	+ 3	41	+ 3
9. IRELAND, NORTH	69	46	61·9	53·2	57·3	+ 5·2	107	+ 36	0	0	1	- 4	0·09	-0·78	19	- 5	22	- 6
10. IRELAND, SOUTH	73	45	65·7	53·7	59·4	+ 5·9	122	+ 42	0	0	2	- 3	0·71	0·00	21	- 7	26	- 9
11. ENGLISH CHANNEL	76	47	67·2	56·0	61·3	+ 3·8	135	+ 27	0	0	3	- 2	1·00	+0·23	35	- 1	42	- 2

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 4 Weeks, September 1st to 28th, 1907.

0. SCOTLAND, NORTH	87	29	*	*	*	*	288	+ 20	2	+ 2	19	0	2·19	-1·77	126	+ 29	35	+ 8
Eastern																		
1. SCOTLAND, EAST	78	28	*	*	*	*	310	+14	1	- 2	10	- 5	1·16	-0·97	161	+ 51	45	+15
2. ENGLAND, N.E...	79	30	*	*	*	*	377	+31	0	0	7	- 6	0·50	-1·31	167	+ 53	47	+15
3. ENGLAND, EAST	81	31	*	*	*	*	422	+30	0	- 1	6	- 6	0·42	-1·48	181	+ 41	52	+12
4. MIDLAND COUNTIES.. ..	77	32	*	*	*	*	395	+35	0	- 2	6	- 6	0·68	-1·21	151	+ 28	43	+ 8
5. ENGLAND, SOUTH	78	33	*	*	*	*	457	+32	0	0	7	- 5	0·59	-1·51	177	+ 34	51	+10
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	351	+33	0	0	10	- 5	1·22	-2·58	126	+ 9	36	+ 3
7. ENGLAND, N.W...	80	28	*	*	*	*	409	+48	0	0	7	- 7	0·64	-2·11	141	+ 20	40	+ 6
8. ENGLAND, SW	76	31	*	*	*	*	442	+47	0	0	7	- 7	1·26	-1·60	165	+ 23	47	+ 7
9. IRELAND, NORTH	74	35	*	*	*	*	384	+49	0	0	11	- 6	1·35	-1·60	91	- 15	26	- 4
10. IRELAND, SOUTH	77	33	*	*	*	*	448	+80	0	0	11	- 4	1·52	-1·14	110	- 15	31	- 4
11. ENGLISH CHANNEL	81	46	*	*	*	*	531	+55	0	0	7	- 8	1·51	-0·88	176	+ 7	50	+ 3

THE YEAR.—Aggregates, &c., for the period of 39 Weeks, December 30th, 1906, to September 28th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1563	-201	524	- 19	200	+21	38·05	+5·13	966	- 39	26	- 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1741	-335	600	+ 9	154	+ 6	20·60	-0·04	1143	- 10	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2219	- 77	501	+ 26	135	+ 2	15·13	-2·14	1299	+157	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2404	-158	518	- 4	125	- 3	13·79	-3·34	1376	+ 9	38	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2373	-223	540	+ 5	135	+ 8	17·51	-1·11	1218	- 4	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2596	-248	434	+ 53	121	- 1	14·91	-3·30	1429	+ 43	40	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2060	-144	404	- 6	163	+ 8	34·39	+1·37	1112	- 87	31	- 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2236	-192	418	+ 32	158	+16	23·82	-0·13	1194	- 27	33	- 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2425	-262	396	+ 95	152	+13	24·26†	-1·28	1319	-110	37	- 3
9. IRELAND, NORTH	81	16	*	*	*	*	2117	-205	292	- 53	182	+13	28·69	+1·86	1041	- 56	29	- 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2573	- 81	256	- 3	174	+24	23·72	-4·14	1147	- 86	32	- 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	2910	-152	96	- 13	131	-17	16·26	-4·81	1510	-136	42	- 4

† The corresponding value for some previous weeks have been altered owing to the receipt of further information.

September 22-28, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average, 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	58	36	54·3	46·4	50·2	+ 1·0	57	0	7	0·58	− 0·25	20·0	− 3·4	24	− 4
	Stornoway	64	40	60·4	48·0	53·9	+ 4·1	83	0	2	0·38	− 0·66	23·3	− 0·9	28	− 1
0. SCOTLAND, N. — Mainland.	Wick	63	29	59·0	43·3	50·8	+ 0·7	62	0	6	0·09	− 0·55	*	*	*	*
	†Lairg (Strathpeffer)	79	31	68·5	45·9	56·7	+ 7·6	103	0	5	0·07	− 0·68	28·0	+ 2·7	34	+ 3
	Glencarron	69	35	62·9	48·9	55·6	+ 6·1	95	0	3	0·61	− 1·42	*	*	*	*
	Fort Augustus	74	43	64·2	49·4	56·4	+ 5·3	101	0	0	0·00	− 0·94	24·5	+ 6·7	30	+ 8
	Fort William (West Linton)	72	45	63·6	50·1	56·5	+ 4·9	102	0	4	0·08	− 1·69	*	*	*	*
													21·6	—	26	—
1. SCOTLAND, E.	Nairn	69	40	63·7	46·1	54·5	+ 3·8	88	0	1	0·01	− 0·55	31·7	—	38	—
	Aberdeen	67	37	61·3	47·9	54·3	+ 3·1	86	0	1	0·02	− 0·63	29·2	+ 2·8	35	+ 3
	†Balmoral (Crathes)	65	36	62·0	40·7	50·8	+ 3·3	62	0	1	0·04	− 0·70	30·0	—	36	—
	†Crieff (Balruddery)	64	41	60·4	48·1	54·0	+ 3·0	84	0	2	0·12	− 0·69	7·8	—	9	—
	†Leith (Edinburgh)	65	42	60·6	48·7	54·4	+ 1·4	87	0	3	0·05	− 0·41	11·0	− 10·9	13	− 13
	Marchmont (Saltburn)	68	42	62·0	46·1	53·7	+ 5·7	82	0	2	0·04	− 0·67	28·9	+ 4·0	35	+ 5
													23·0	—	28	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	66	37	62·7	45·2	53·5	+ 2·2	81	0	2	0·03	− 0·62	20·0	—	24	—
	†Shields (Newcastle)	63	44	59·6	46·6	52·8	+ 0·5	76	0	2	0·04	− 0·47	5·0	− 15·8	6	− 19
	Durham	69	38	62·9	42·6	52·3	+ 0·3	72	0	1	0·03	− 0·54	18·8	− 6·3	23	− 8
	Scarborough	67	45	63·3	49·7	56·2	+ 3·1	99	0	2	0·04	− 0·55	39·7	—	48	—
	York	73	38	68·2	45·5	56·3	+ 3·5	100	0	1	0·03	− 0·51	39·7	+ 14·5	48	+ 17
2. ENGLAND, N.E. — Southern part.	Spurn Head	66	48	62·3	52·1	57·0	+ 2·2	105	0	2	0·03	− 0·43	*	*	*	*
	†Lincoln (Skegness)	74	36	69·1	45·2	56·6	+ 3·0	102	0	1	0·07	− 0·41	44·6	—	54	—
	†Fulbeck (Rauceby)	74	39	70·0	46·2	57·5	+ 4·4	109	0	2	0·16	− 0·33	53·3	—	64	—
3. ENGLAND, E. — Northern part.	Hillington	81	33	69·8	45·5	57·1	+ 3·4	106	0	1	0·05	− 0·56	51·3	+ 22·1	62	+ 27
	†Yarmouth (Lowestoft)	65	42	61·9	52·0	56·7	+ 1·9	103	0	0	0·00	− 0·59	56·8	—	68	—
	Geldeston (Cromer)	76	32	68·2	44·4	55·7	+ 1·4	96	0	0	0·00	− 0·57	54·5	+ 21·5	66	+ 26
													54·3	—	65	—
3. ENGLAND, E. — Southern part.	Cambridge	80	31	70·5	43·9	56·6	+ 2·0	102	0	2	0·04	− 0·43	47·4	+ 15·8	57	+ 19
	Felixstowe	67	37	63·4	52·3	57·6	+ 3·4	109	0	0	0·00	—	51·3	—	62	—
	Clacton-on-Sea	68	43	64·0	53·3	58·4	+ 2·9	115	0	1	0·01	—	56·4	—	68	—
	Rothamsted	77	32	67·8	44·7	55·7	+ 2·6	96	0	2	0·09	− 0·49	48·0	+ 17·3	58	+ 21
	†Shoeburyness (Southend)	72	37	65·6	49·9	57·4	+ 1·2	108	0	1	0·01	− 0·45	50·7	—	61	—
	London, Westminster (Dunmow)	80	41	70·1	50·7	59·9	+ 4·9	125	0	1	0·05	− 0·46	37·4	+ 14·7	45	+ 18
													54·5	—	66	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	68	40	63·9	45·1	54·1	+ 2·2	85	0	2	0·03	− 0·59	30·4	—	37	—
	†Bawtry (Worksop)	73	38	69·6	44·7	56·6	+ 3·6	102	0	3	0·05	− 0·43	40·3	+ 15·6	49	+ 19
	Nottingham	74	36	69·0	42·9	55·3	+ 1·9	93	0	2	0·02	− 0·50	28·6	—	35	—
	Birmingham, Edgbaston	75	43	67·0	49·5	57·8	+ 4·8	111	0	0	0·00	− 0·57	37·2	—	45	—
	Oxford	77	35	69·4	44·6	56·4	+ 2·2	101	0	1	0·03	− 0·49	39·1	+ 8·8	47	+ 11
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	70	41	64·8	48·2	56·1	+ 4·2	99	0	1	0·08	− 0·60	34·4	—	41	—
	Shrewsbury	73	34	67·6	43·3	54·9	+ 1·1	90	0	0	0·00	—	*	*	*	*
	Hereford	73	36	67·3	45·3	55·8	+ 2·8	97	0	0	‡0·03	− 0·52	*	*	*	*
	Cirencester	77	34	69·0	46·3	57·1	+ 4·5	106	0	0	0·00	− 0·64	42·4	+ 18·4	51	+ 16
	Bath (Margate)	72	35	68·9	44·9	56·3	+ 2·4	100	0	0	0·00	− 0·65	47·8	—	58	—
													50·3	+ 18·9	61	+ 23
5. ENGLAND, S.	Kew	78	37	69·3	48·5	58·4	+ 3·3	115	0	1	0·03	− 0·49	40·3	+ 11·3	49	+ 14
	Wisley, Surrey	78	33	69·8	46·0	57·3	+ 2·6	107	0	1	0·06	—	38·0	—	46	—
	†Swarraton (Ventnor)	75	33	69·2	47·2	57·7	+ 4·5	110	0	2	0·04	− 0·61	42·0	+ 6·2	51	+ 8
	Tunbridge Wells	75	37	68·5	48·5	58·0	+ 4·0	112	0	1	0·04	− 0·60	47·0	+ 13·8	57	+ 17
	†Dungeness (Littlestone)	70	42	65·0	55·3	59·9	+ 3·4	125	0	1	0·01	− 0·59	45·3	—	55	—
	Hastings	74	48	67·0	54·5	60·5	+ 4·6	130	0	1	0·02	− 0·68	47·9	+ 12·9	58	+ 16
	Southampton	75	40	70·0	51·2	60·2	+ 4·5	127	0	0	0·00	− 0·65	47·0	+ 13·7	57	+ 17
	†Portland Bill (Worthing) (Eastbourne)	65	51	63·6	56·0	59·6	+ 2·3	123	0	0	0·00	—	42·9	—	52	—
													47·1	+ 12·0	57	+ 14
6. SCOTLAND, W.	Laudale	71	47	64·8	52·8	58·5	+ 6·7	116	0	2	0·08	− 1·62	*	*	*	*
	Poltalloch	66	44	61·6	48·1	54·5	+ 2·4	88	0	0	0·00	− 1·21	*	*	*	*
	Glasgow	65	46	60·7	51·1	55·7	+ 4·6	96	0	0	0·00	− 0·89	7·3	− 13·6	9	− 16
	Rothesay	69	42	62·3	51·3	56·5	+ 4·6	102		0	0·00	− 1·06	*	*	*	*
	Dumfries	79	40	66·1	46·3	55·7	+ 3·6	96	0	0	0·00	− 0·82	*	*	*	*
	Cally	75	42	65·3	46·0	55·2	+ 2·8	92	0	0	0·00	− 0·99	*	*	*	*
	Douglas, Isle of Man	72	43	64·2	48·0	55·7	+ 3·5	96	0	0	0·00	− 0·92	36·6	+ 6·4	44	+ 8
7. ENGLAND, N.W.	Aspatria	80	46	67·2	49·2	57·8	+ 6·6	111	0	0	0·00	− 0·93	32·0	—	39	—
	Newton Rigg	73	42	64·0	45·2	54·2	+ 3·4	85	0	0	0·00	− 0·75	25·2	− 0·4	30	0
	Stonyhurst	69	43	63·5	49·2	56·0	+ 3·8	98	0	1	0·02	− 1·03	22·4	− 4·2	27	− 5
	Blackpool	72	43	66·6	49·6	57·7	+ 4·2	110	0	0	0·00	− 0·83	37·3	+ 10·5	45	+ 13
	Manchester, Prestwich	75	40	68·4	48·5	58·6	+ 5·6	112	0	1	0·02	− 0·82	36·9	+ 14·1	45	+ 17
	†Liverpool Obs. (Hoylake)	72	46	66·7	51·1	58·5	+ 4·4	116	0	0	0·00	− 0·71	27·6	—	39	—
	†Hawarden Bridge (Southport)	74	41	68·3	48·5	57·9	+ 3·8	111	0	2	0·02	− 0·55	33·8	+ 6·5	41	+ 8
7. NORTH WALES	Llandudno	73	48	68·4	54·0	60·9	+ 5·9	132	0	0	0·00	− 0·72	37·4	+ 10·3	45	+ 12
	†Holyhead (Aberdovey)	73	50	66·6	53·1	59·5	+ 4·6	123	0	0	0·00	− 0·77	45·2	—	55	—
	Bettws-y-Coed (Aberystwyth)	78	42	70·6	48·6	59·1	+ 4·7	120	0	0	0·00	—	40·3	—	49	—
													40·5	—	49	—
8. SOUTH WALES	Llangammarch Wells	73	37	66·3	45·3	55·3	+ 2·7	93	0	0	0·00	—	33·4	—	40	—
	Pembroke	69	49	63·6	54·4	58·8	+ 3·5	118	0	1	0·18	− 0·60	37·5	+ 6·5	45	+ 8
	Cardiff	73	38	67·4	49·7	58·1	+ 3·7	113	0	0	0·00	− 0·95	40·2	—	48	—
8. ENGLAND S.W.	Clifton	75	42	69·3	50·5	59·5	+ 4·2	123	0	0	0·00	− 0·74	44·9	—	54	—
	†Shaftesbury (Marlborough)	74	43	66·6	51·6	58·7	+ 4·9	117	0	0	0·00	− 0·73	43·4	+ 16·8	52	+ 20
	†Arlington (Newquay)	71	42	66·7	50·4	58·2	+ 4·6	113	0	0	0·00	− 1·18				
	Cullompton	75	35	67·5	47·6	57·1	+ 2·5	106	0	1	0·01	− 0·71	23·4	− 5·2	28	− 6
	Plymouth	68	43	64·6	53·4	58·7	+ 2·9	117	0	3	0·99	+ 0·22	30·0	− 2·0	36	− 3
	Falmouth (Torquay)	65	54	62·7	56·3	59·4	+ 3·9	122	0	3	1·27	+ 0·31	19·6	− 13·1	24	− 16
													22·8	− 10·9	28	− 13
9. IRELAND, N. — Western part.	Malin Head	65	50	61·3	52·4	56·6	+ 3·5	102	0	2	0·10	− 0·60	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	64	53	60·9	55·0	57·8	+ 4·0	111	0	1	0·24	− 0·79	*	*	*	*
	Markree Castle	66	46	62·8	52·5	57·4	+ 6·1	108	0	4	0·09	− 0·80	19·1	− 4·6	23	− 6
9. IRELAND, N. — Eastern part.	Armagh	69	50	63·8	52·7	58·0	+ 6·7	112	0	0	0·00	− 0·65	17·9	− 7·1	22	− 9
	Donaghadee	62	51	60·6	53·3	56·8	+ 4·0	104	0	0	0·00	− 0·65	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	66	52	65·1	54·2	59·4	+ 5·6	122	0	0	0·00	− 0·54	21·0	− 9·5	25	− 11
	Kilkenny	73	45	65·3	53·1	58·9	+ 6·0	118	0	2	0·50	− 0·13	*	*	*	*
	Waterford	70	50	64·6	53·8	58·9	+ 5·2	118	0	2	0·45	− 0·32	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	70	45	66·3	51·7	58·7	+ 6·4	117	0	2	0·16	− 0·47	12·9	− 14·6	16	− 18
	Foynes	69	49	65·7	53·1	59·1	+ 5·7	120	0	3	1·64	+ 0·91	*	*	*	*
	Killarney	70	46	67·8	53·6	60·4	+ 6·2	129	0	2	0·88	− 0·08	*	*	*	*
	Valencia	72	48	66·0	53·6	59·5	+ 4·7	123	0	3	1·12	+ 0·03	33·4	+ 5·1	40	+ 6
	†Roches Point (Ballinacurra)	70	51	64·6	56·6	60·4	+ 5·7	129	0	3	0·91	+ 0·07	17·3	—	21	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	67	55	63·7	56·1	59·7	+ 2·7	124	0	4	1·42	+ 0·67	27·8	− 7·2	34	− 9
	†Jersey, St. Aubins (St. Heliers)	76	47	68·9	55·0	61·6	+ 3·1	137	0	3	0·72	− 0·06	38·7	+ 0·7	47	+ 1
	Guernsey	73	52	69·0	56·8	62·6	+ 4·7	144	0	3	0·85	+ 0·01	36·9	+ 0·9	45	+ 1

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ Fog.

Additional Sunshine Totals for the week: Ramsgate, 51·2 hrs., 62 %; Brighton, 45·2 hrs. (+10·6), 55 % (+ 13 %); Bournemouth, 40·2 hrs., 48 %; Bognor, 44·2 hrs., 53 %; Rhyl, 39·2 hrs., 47 %; Tenby, 44·6 hrs. (+12·6), 54 % (+15 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·4
	Crathes	0	31	53·9	52·8
	Balmoral	1	30	—	—
	Marchmont ..	0	34	53·9	—
2.	Cockle Park	0	34	53·1	52·7
	York	—	—	55·3	55·0
	Hull	0	35	53·4	55·0
	Lincoln	—	—	56·3	56·0
3.	Lowestoft	0	34	58·1	57·5
	Cambridge	1	30	57·1	57·9
	Dunmow	1	29	—	—
	Clacton-on-Sea ..	0	34	58·8	58·1
4.	Harrogate	0	34	53·5	53·2
	Sheffield	0	35	54·5	54·4
	— — ..				
	Birmingham	0	31	54·1	53·1
	Nottingham	1	30	54·4	56·5
	— — ..				
5.	Kew	2	28	56·1	56·8
	Canterbury	0	31	58·2	58·5
	Portsmouth	0	40	59·7	59·3
	Wisley	1	29	57·5	57·9
6.	Glasgow	0	37	—	—
	Dumfries	0	37	—	—
	Rothesay	—	—	—	53·5
	Douglas	0	39	—	—
7.	Newton Rigg ..	0	35	55·5	54·2
	Southport	0	35	57·1	58·2
	Manchester City ..	0	37	56·2	56·3
	Bettws-y-Coed ..	0	41	54·3	54·0
	— — ..				
8.	Llangammarch Wells	0	32	57·0	55·0
	— — ..	—	—	—	—
	Bath	—	—	59·3	60·1
	Plymouth	0	41	58·4	—
9.	Armagh	0	40	57·7	56·3
	Markree Castle ..	0	44	—	—
10.	Dublin, Trin. Coll. ..	0	42	57·3	56·3
11.	Guernsey, Brooklyn	0	44	61·4	60·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	50	50·0
	Kirkwall	53	51	52·7
	Wick	53	52	52·1
SCOTLAND, E.	Cromarty	54	52	52·8
	Pennan Bay	55	53	53·6
	Aberdeen, Cove Bay ..	55	51	53·7
ENGLAND, N.E.	Burnmouth, Berwick ..	53	51	52·3
	Scarborough	57	50	53·1
ENGLAND, E.	Shipwash Lightship ..	62	59	60·3
	Margate	62	60	61·1
ENGLAND, S.E.	Eastbourne‡	61	59	60·1
SCOTLAND, W.	Lamlash	56	54	54·8
	Ballantrae	55	52	53·1
ENGLAND, N.W.	Port Erin	59	55	56·0
ENGLAND, S.W.	Newquay	60	58	59·5
	Plymouth‡	60	59	59·6
	Salcombe	61	58	59·6
IRELAND, N.W.	Sheephaven	59	56	57·7
	Ballyglass	61	57	58·8
IRELAND, S.W.	Cleggan	60	56	58·0
	Seafield	63	55	60·2
IRELAND, E.	Kingstown‡	—	—	—

‡ Only one observation each day.

Corrections and Additions for August, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 31, p. 242	8, England, S.W.	—	—	—	—	—	—	—	—	—	0·90	+0·23	—	—	—	—
No. 32, p. 250	6, Scotland, W.	—	—	—	—	—	—	—	—	—	1·40	+0·41	—	—	—	—
No. 32, p. 250	7, England, N.W.	—	—	—	—	—	—	—	—	—	—	—	29	- 8	—	—
No. 33, p. 258	1, Scotland, E.	—	—	—	—	—	—	—	—	—	—	—	24	- 10	23	- 9
No. 34, p. 266	3, England, E.	—	—	—	50·0	56·4	-3·0	101	—	—	0·25	-0·34	—	—	—	—
No. 34, p. 266	8, England, S.W.	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 35, p. 274	9, Ireland, N.	—	—	—	—	—	—	—	—	—	0·30	-0·65	—	—	—	—
Station Values.—Additions.																
No. 32, p. 251	Hoylake	—	—	—	—	—	—	—	—	—	—	—	33·3	—	31	—
No. 33, p. 259	Edinburgh	—	—	—	—	—	—	—	—	—	—	—	30·1	- 2·9	29	- 3
No. 34, p. 267	Hillington M	69	44	63·8	47·7	55·3	-4·0	93	0	3	0·20	-0·44	34·6	- 4·6	35	- 5
No. 34, p. 267	Aberystwyth	—	—	—	—	—	—	—	—	—	—	—	29·0	—	29	—
No. 35, p. 275	Blacksod Point	61	43	59·3	49·6	54·2	-2·7	85	0	7	0·32	-0·72	—	—	—	—
Station Values.—Corrections.																
No. 31, p. 243	Scarborough M	—	—	—	51·4	58·1	-0·6	113	—	—	—	—	—	—	—	—
No. 31, p. 243	Clifton	—	—	—	—	—	—	—	—	3	0·58	-0·17	—	—	—	—
No. 31, p. 243	Valencia	—	50	—	54·7	58·4	-0·6	115	—	—	—	—	—	—	—	—
No. 32, p. 251	Douglas	—	—	—	—	—	—	—	—	4	0·52	-0·37	—	—	—	—
No. 32, p. 259	Sumburgh Head	—	41	—	43·9	48·1	-4·6	43	—	—	—	—	42·7	—	42	—
No. 33, p. 259	Ranceby	—	—	—	—	—	—	—	—	—	—	—	36·4	—	35	—
No. 33, p. 259	Nottingham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 33, p. 259	Glasgow	—	—	—	—	—	—	—	—	—	2·70	+1·77	—	—	—	—
No. 33, p. 259	Aspatria	—	—	—	—	—	—	—	—	—	—	—	16·4	—	16	—
No. 33, p. 259	Birr Castle	67	—	63·3	—	57·2	-1·0	106	—	—	—	—	—	—	—	—
No. 34, p. 267	York	—	—	—	—	—	—	—	—	—	—	—	31·4	- 1·6	31	- 2
No. 34, p. 267	Cambridge	—	—	—	48·6	55·7	-4·5	96	—	—	—	—	—	—	—	—
No. 34, p. 267	Llandudno M	—	—	—	53·1	57·2	-2·4	106	—	—	—	—	—	—	—	—
No. 35, p. 275	Wick	—	—	—	44·7	50·3	-3·2	58	—	—	—	—	—	—	—	—
No. 35, p. 275	Hillington M	—	—	—	48·8	57·8	-0·5	111	—	—	—	—	—	—	—	—
No. 35, p. 275	Shrewsbury	—	—	—	—	—	—	—	—	4	0·16	—	—	—	—	—
No. 35, p. 275	Llandudno M	—	—	—	51·6	57·7	-0·7	110	—	—	—	—	—	—	—	—

Temp. on the Grass and in the Ground.

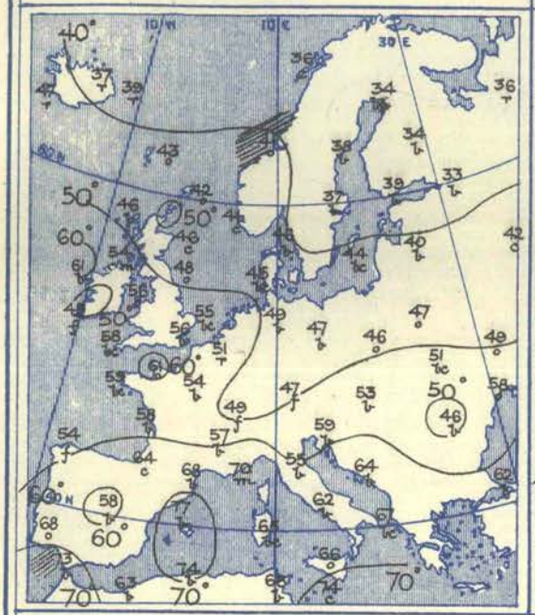
		Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values:—Additions.					
No. 34, p. 268	Manchester, City	0	47	57·7	57·3
No 34, p. 268	Guernsey, Brooklyn	0	49	62·2	61·0
Station Values:—Corrections.					
	Markree Castle	1	28	—	—

Addition:—Sea Temperature.

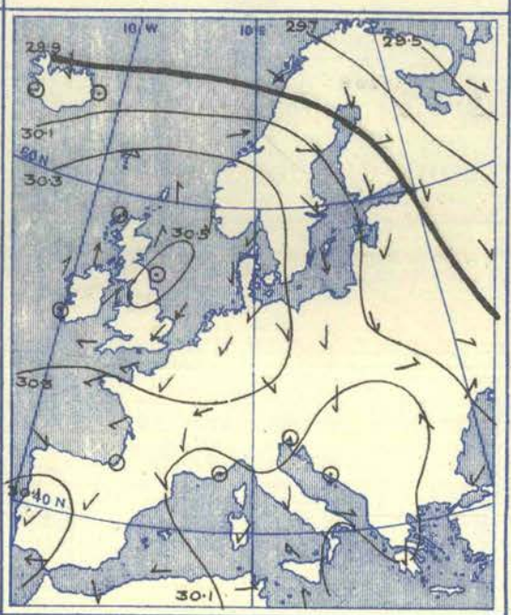
		Highest.	Lowest.	Mean.
No. 33, p. 260	Kingstown	59	58	58·1

Sunday, 22nd September, 1907.

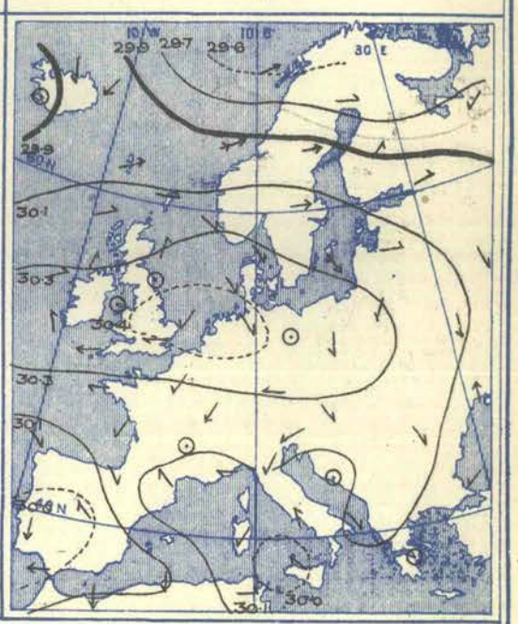
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright very generally except at some of our northern and north-western stations and in a few other localities. Rainy at Brussels and in Iceland, as well as at Memel and Archangel. More than an inch of rain falling at Palermo during the ensuing twenty-four hours, 0·7 in. at Christiansund, and smaller quantities in Russia and Finland.

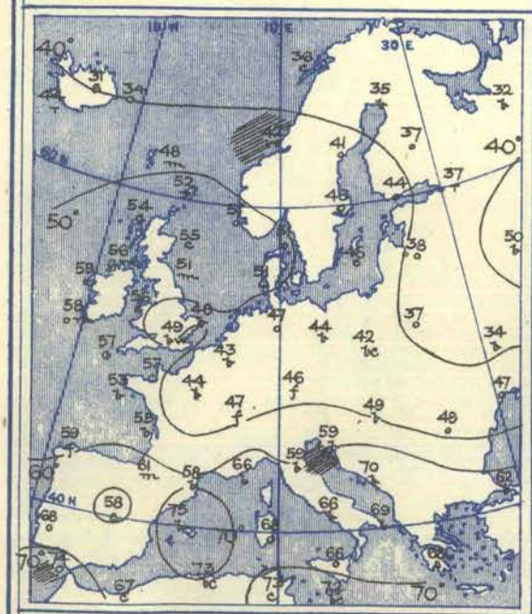
Temperature risen in Iceland, fallen in most other regions. Readings in morning ranging from 77° at Barcelona and 74° at Algiers, to about 50° in many districts in central Europe and the United Kingdom, and to below 40° in the north. Lowest readings 33° at St. Petersburg and Helsingfors. Rising later to above 80° in the west of France and in many parts of the Mediterranean region, but maxima not much above 50° in some parts of Germany, and below 60° at most of our own stations.

Wind in morning showing a very extensive anticyclonic circulation around our Islands and the North Sea; little force generally, but Westerly current fresh or strong on the west coast of Norway, and Easterly breeze fresh at some of our south-western stations. Increasing to a gale later at Christiansund and Wisby, and to a strong breeze at Thorshavn. A feeble cyclonic movement setting in over the Mediterranean.

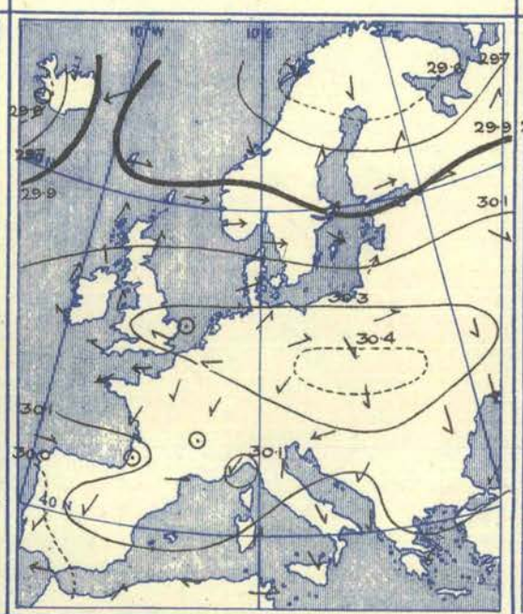
Barometer in morning above 30·4 ins. over the whole of these Islands and the North Sea; relatively low in the south-west and south of our area, and as low as 29·5 ins. in the far north of Russia. Pressure decreasing in most regions during day, most in the north of our Islands. High pressure system decreasing slowly in intensity and moving eastwards. A depression travelling eastwards in the far north of our area.

Monday, 23rd September, 1907.

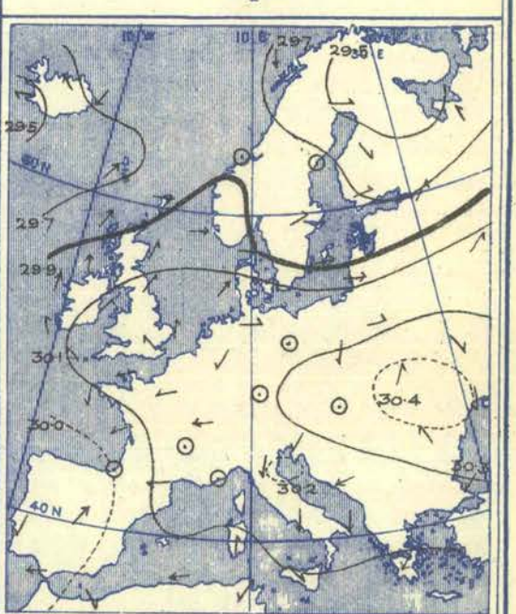
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull, with some rain in the Hebrides and Shetland, as well as over Scandinavia and northern Russia, and rain or snow falling in Iceland. Generally fair or fine and bright elsewhere, but foggy or misty in places. A little rain experienced later on our extreme north and north-west coasts, and also in some parts of northern Europe. A severe thunderstorm, with two inches of rain, occurring at Lisbon.

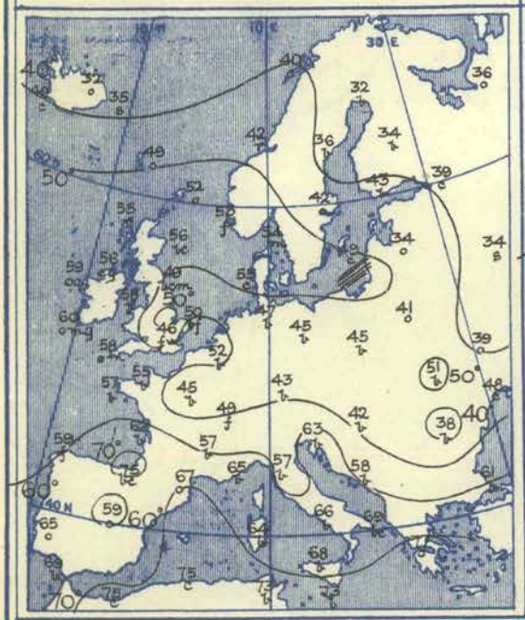
Temperature risen over Ireland and Scotland, fallen in nearly all other regions. Readings in morning above 70° at some stations in the far south. A little above 40° over central England and below that point over a considerable portion of central Europe, as well as in the north of our area. Maxima during day below 65° at most of our own stations and in Germany and Austria, but above 70° very generally in the south of Europe, and above 80° in places. Highest reading 86° at Madrid.

Wind in morning moderate to strong from the Westward over all the northern parts of Europe, and light or moderate breezes, mainly from the Northward, in the south. An anticyclonic movement shown over most of central Europe and these Islands. Southerly current freshening somewhat during day on our north-west coasts. No other change of importance.

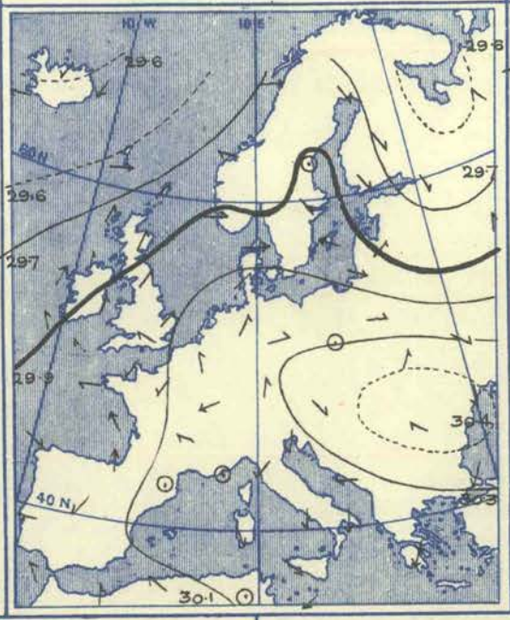
Barometer in morning above 30·4 ins. in a large anticyclonic system having its maximum over central Europe. Below 29·6 ins. in Lapland and its neighbourhood, and also in a depression advancing on Ireland. High pressure system moving eastwards during day, and barometer continuing to fall very generally. Disturbance in far north travelling eastwards.

Tuesday, 24th September, 1907.

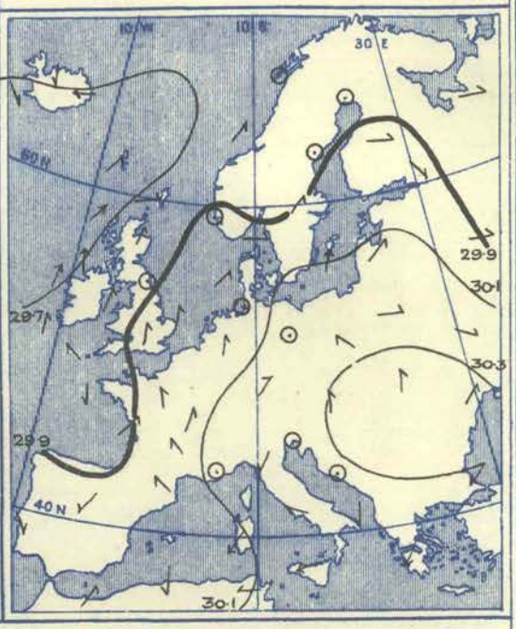
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but dull and unsettled in the north-west and north-east of our area, with rain at Stornoway and Christiansund, and snow at some Icelandic stations and at St. Petersburg. Fog prevailing in many parts of England and also at Corunna and Skudesnaes. Rain falling later at Madrid, more than 1·5 in. at Perpignan, during a thunderstorm, and about 2·25 ins. at Cape Béarn. Thunder and lightning, without rain, occurring at Biarritz.

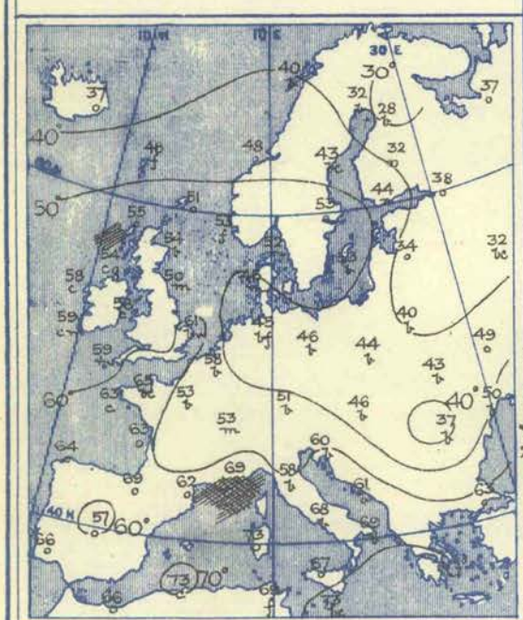
Temperature fallen in most places. Readings in morning above 60° at nearly all stations in the Mediterranean region, above 70° in places, and as high as 77° at Athens. Below 50° over Europe as a whole, and less than 40° at Oxford and in many northern localities of the Continent. Rising later to 76° at Jersey and to nearly 70° in many parts of England. Maxima above 80° at various places towards the south of our area and above 90° in central Algeria.

Wind in morning light anticyclonic over the south of Russia and most of central Europe, moderate to strong from some Westerly point over the northern half of the Continent, and generally light to moderate and variable in the south. Gentle Easterly breezes prevailing over the south of England and the north of France, and Southerly to South-Westerly breezes over these Islands as a whole. Strong Northerly winds or gales reported in Greece. Little change later.

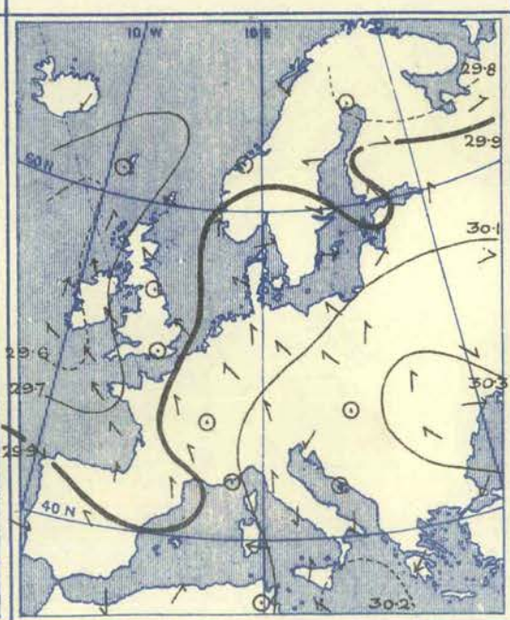
Barometer in morning 30·2 ins. to above 30·4 ins. over a large portion of eastern and central Europe; below 29·6 ins. in a depression over the north of Russia and also in another system between the Faeröe and Iceland. Relatively low over the Bay of Biscay and Greece. Pressure decreasing in most regions during day and anticyclone retreating south-eastwards. A rise of the mercury taking place in Iceland.

Wednesday, 25th September, 1907.

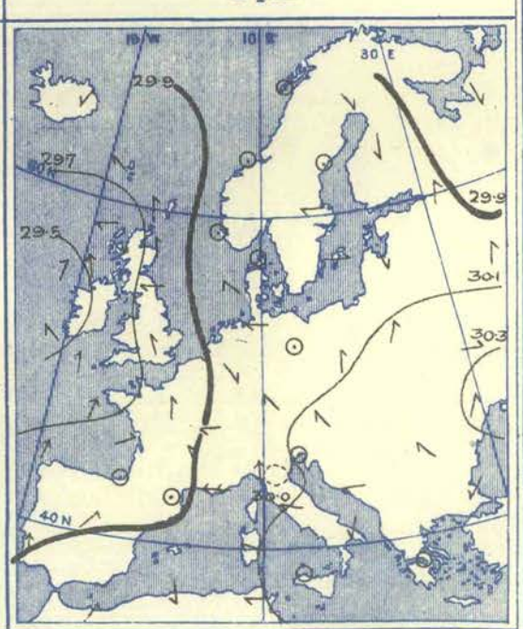
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but foggy or misty early in many parts of England, cloudy on our western coasts, and dull over the Spanish Peninsula and its immediate neighbourhood, and also over the Gulf of Finland, with rain at Toulouse and Helsingfors. Thunderstorms later in the south-west of France and more or less rain in many parts of southern Europe, largest amounts reported 0·8 in. at Bilbao and 1·1 in. at Lisbon. Smaller quantities of rain in various parts of the United Kingdom, and as much as 1·1 in., with thunder, at Valencia (Ireland).

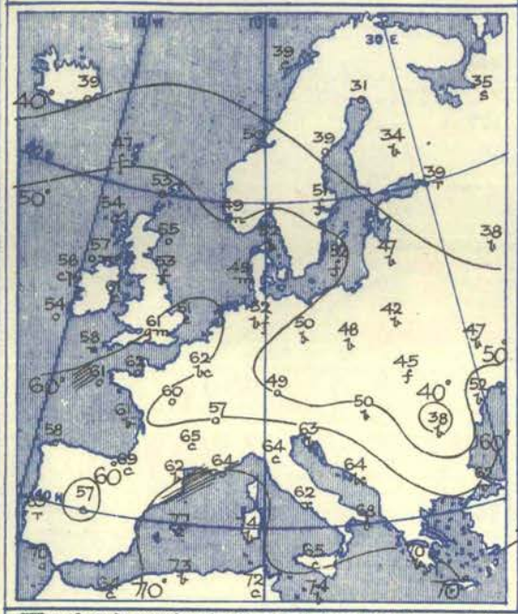
Temperature risen over England, France, and Scandinavia, fallen in most other regions. Readings in morning a little above 70° at a few places in the far south, but below 50° over our area generally, below 40° in places, and less than 30° in northern Finland. Rising during day to 80° in London, 79° at Cromer, 78° at Margate and Bettws-y-Coed, 77° at Oxford, and to above 70° over England and Wales generally. Maxima above 80° at a few stations in France and southern Europe, and as high as 86° at Algiers and Aumale. Maxima low over the north-east of Britain, only 62° at Aberdeen and North Shields.

Wind in morning South-Easterly to Southerly over these Islands and the western countries of the Continent, fresh or strong in Brittany and at Pembroke, but light as a whole. An anticyclonic circulation prevailing over eastern Europe and rather variable winds over the Mediterranean. Shifting to West or South-West along the west coast of France during day, and becoming rather more Southerly over England and the Channel. Not much change elsewhere. A fresh or strong Southerly breeze setting in at Lisbon and Corunna.

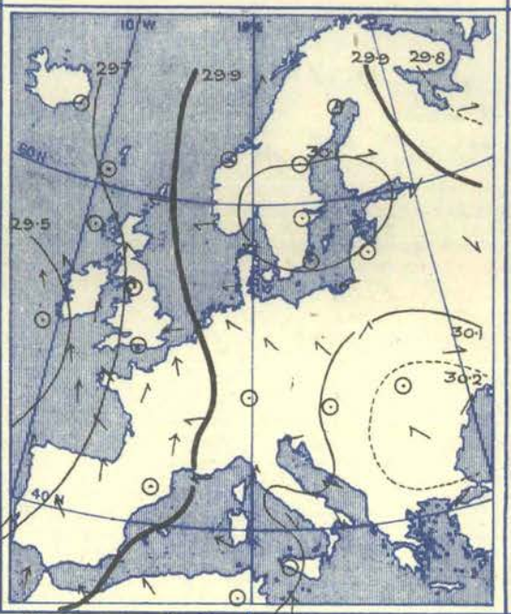
Barometer in morning above 30·3 ins. over the Black Sea and its vicinity, below 29·8 ins. in Lapland, and less than 29·6 ins. in a large low pressure system off the west of Ireland. Secondary disturbances shown over the Peninsula and the south of France. Northern disturbance travelling eastwards later and barometer rising in Scandinavia. Changes over our Islands and their neighbourhood slight and rather irregular, and little modification occurring in the general distribution of pressure.

Thursday, 26th September, 1907.

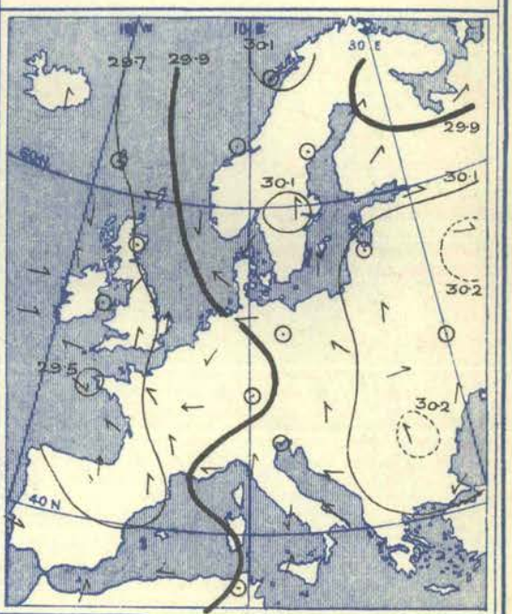
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull at most of our own stations, with rain at some places in the Midlands and west and south-west, and fog or mist in the north; fair or fine over Europe as a whole, but overcast in many parts of the Spanish Peninsula and Italy, with rain at Lisbon and Rome. Heavy rains later in the west and south of France, with thunderstorms in some localities; considerable or heavy falls of rain also taking place in various parts of the Spanish Peninsula and Italy, slight amounts at several of our own stations, but as much as an inch at Scilly. Thunderstorms occurring at Darwen and Pembroke.

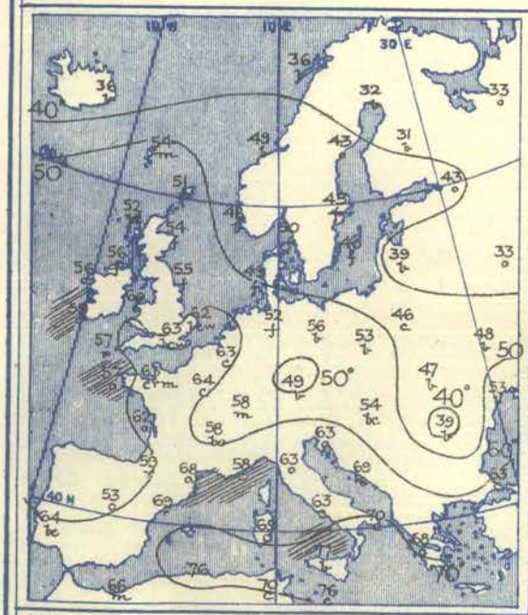
Temperature risen over these Islands, the Low Countries, and Germany, fallen in most other regions. Readings in morning about 60° over a large portion of England and Ireland, above 70° on several shores of the Mediterranean, and as high as 77° at Palma. Below 50° over the central countries, and below 40° in the north. Rising during day to 70° or rather higher in many parts of England and Wales, to above 75° at many stations in central and southern Europe, and to above 80° in places.

Wind in morning generally light or moderate from between South-East and South over the United Kingdom and France, and variable or Easterly over the Mediterranean. An extensive anticyclonic movement prevailing over eastern and northern Europe. No change of importance occurring during day.

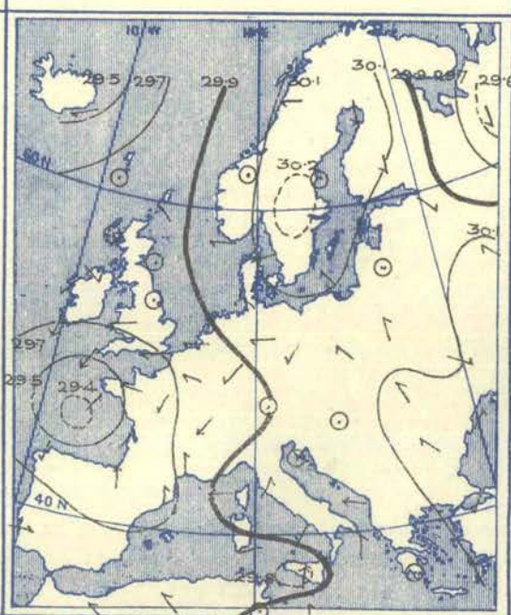
Barometer in morning ranging from above 30·1 ins. in an anticyclone having its maximum space over Scandinavia and Finland and above 30·2 ins. in another high pressure system in the east of our area to less than 29·5 ins. over the Atlantic to the west and south-west of Ireland. A secondary disturbance over the south of France. Little change in the general distribution of pressure during day; barometer falling somewhat in most places, but rising along our western coasts.

Friday, 27th September, 1907.

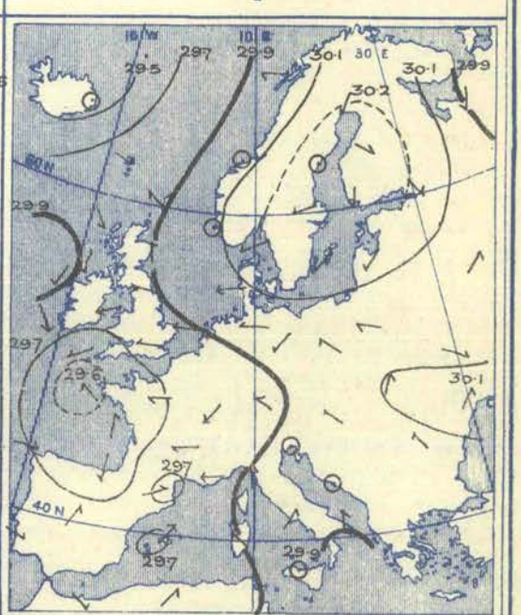
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast over France, the Bay of Biscay region and in many parts of these Islands, with rain at several of our south-western stations, as well as at Biarritz and Corunna. Fog very prevalent over the north of Ireland and on the north-east coast of Great Britain, and also over a large area beyond the North Sea. Fair or fine in most other districts. More than an inch of rain falling later in the south and south-west of France, and as much as 3·6 ins. at Marseilles and 3·9 ins. at Mont Aigoual. Slight falls reported in the Spanish Peninsula.

Temperature fallen in nearly all regions. Readings in morning ranging from 77° at Palermo and 76° at Algiers to about 60° over most of France and a considerable part of England and Ireland to below 50° in some districts of central Europe, and to below 32° in northern Finland. Rising during day to 90° at Palermo, to above 80° at a few other southern stations, and to above 75° in many places; highest readings in these Islands 73° at Brighton, Dover, and in London.

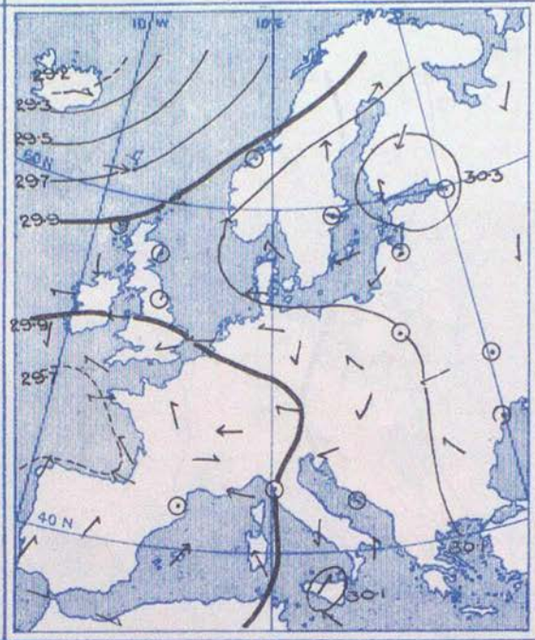
Wind in morning showing a complete cyclonic circulation around the Bay of Biscay and an anticyclonic movement over northern Europe; little force generally, but a high Southerly wind blowing at Palermo and a high Easterly wind at Cape Sicié. No change of importance during day.

Barometer in morning above 30·2 ins. over central Scandinavia and only a little lower over the east and south-east of our area. Below 29·6 ins. over Iceland and in the far north-east of Russia, and less than 29·5 ins. in a depression over the Bay of Biscay. Relatively low in a disturbance near Sicily. Biscay disturbance decreasing slightly in intensity during day, but little modification occurring in the general distribution of pressure over our area as a whole.

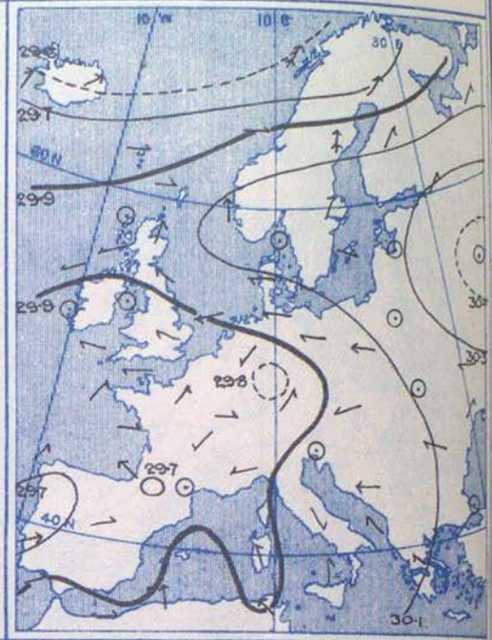
Saturday, 28th September, 1907.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but misty or foggy in several parts of these Islands, and rainy at some stations in the north and toward the south of Europe. Heavy rains later in France and various parts of Italy and the Spanish Peninsula, with thunder and lightning in several places. Largest amounts reported 1·5 in. at Florence and 2·5 ins. at Mont Aigoual. Very slight rain falling in a few British districts.

Temperature fallen generally, risen in the extreme north. Readings in morning above 65° at many southern stations and above 70° in Sicily and Malta; 60° or above in many parts of England and Ireland. Below 50° in various parts of Scotland and over a large portion of the Continent, and as low as 32° at Moscow and 30° at St. Petersburg. Thermometer rising during day to 87° at Palermo, 86° at Algiers, and to about 80° at a few other places in the far south; maxima only about 70° over the central countries, and below that point at nearly all our own stations.

Wind in morning cyclonic over the south-west of our area and anticyclonic in the east and north-east; light or moderate in force at almost all stations. A high wind between West and South prevailing at Thorshavn and Bodö. A strong gale setting in at the latter stations by evening, but no general increase of force taking place. Direction becoming very variable in France.

Barometer in morning above 30·3 ins. in a high pressure system having its maximum over the Gulf of Finland, below 29·7 ins. in a depression over the Bay of Biscay, and below 29·4 ins. in another disturbance to the northward of Iceland. Barometer rising decidedly and becoming highest over central Russia by evening. Disturbance in far north apparently travelling away towards the Pole, and pressure increasing again in Iceland. Small and shallow disturbances shown over the western part of the Continent and the English Channel.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. Sept. 23rd, 11.8 a.m. to 11.18 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* Two theodolites (base 8,445 ft.) for 8 minutes, subsequent rate of ascent assumed as 500 ft. per min. Ascensional current of 300 ft. per min. up to 2,700 ft. Small detached clouds at 5,000 ft. or less.
		Humidity								
		Wind Velocity, m. per hr.	ESE, 3	E by S, 10	E by S, 10	E by N, 4	[NE, 4]			
Sept. 23rd, 2.17 p.m. to 3.4 p.m.	Ditcham Park, Petersfield, 550 ft.	Wind Velocity, m. per hr.	ESE, 4 3,500 W by S, 10 7,000 metres Calm.	E by S ½ S, 4 4,000 W by N ½ N, 9 7,500, SW, 2	SEby E ½ E, 7 4,500 W by S ½ S, 8	SE by S, 5 5,000 W by N, 7	S ½ W, 4 5,500 NW by W, 8	SW by S, 2 6,000 WSW, 6	W by S, 5 6,500 SW, 2	* Two theodolites (base 8,445 ft.) Ascensional velocity 270 ft. per min. up to 3,000 ft.; 400 ft. per min. assumed subsequently. Sky clear. Burst at 25,000 ft., 2·8 miles E 7° N.; fell 5·6 mil s E 15° N.
Sept. 23rd	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Pilot balloon, 1 ft. diameter. One theodolite. Ascensional velocity of 250 ft. per minute assumed.
		Humidity								
		Wind Velocity, m. per hr.	ESE, 4	SE, 6	SSE, 4					
Sept. 24th, 10.42 a.m. to 10.54 a.m.	Ditcham Park, Petersfield. 550 ft.	Temperature F.								* Two theodolites (base 8,445 ft.) for 5 minutes, subsequent rate of ascent assumed as 500 ft. per min. Small detached clouds at 3,000 ft. or less.
		Humidity								
		Wind Velocity, m. per hr.	SE by S ½ S, 10	S by E ½ E, 9	SSW, 11	SW ½ W, 10	SW ½ W, 13			
Sept. 24th, 2.7 p.m. to 6.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	60°	56°	52°	48°	44°	40°	[36°]	Three kites, 231 sq. ft. Max. height, 9,495 ft. Max. wire, 13,000 ft. Cloudless sky, light steady wind.
		Humidity	73%	70%	56%	43%	33%	21%	[11%]	
		Wind Velocity, m. per hr.	S by W,	SW by S, 25	SW by W, 27	SW by W, 27	WSW, 30	WSW, 30	[W by S, 31]	
Sept. 24th, 2.33 p.m. to 2.56 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* Two theodolites (base 8,445 ft.) for 18 minutes; subsequent rate of ascent assumed as 500 ft. per min. Ascensional current of 500 ft. per min. in first 1,000 ft. Balloon burst 12,000 ft. 5·2 miles N 37½° E. Sky clear.
		Humidity								
		Wind Velocity, m. per hr.								
Sept. 24th, 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Pilot balloon, 1 ft. diameter. Two theodolites. Hazy; probably London smoke, and balloon soon lost.
		Humidity								
		Wind Velocity, m. per hr.	SE, 8	SSE, 4	S, 8	SE, 5				
Sept. 27th, 10.16 a.m. to 10.21 a.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								* Two theodolites (base 8,500 ft). Balloon burst at 3,100 ft., 2 miles W. 31° N. Overcast, Ci-S.
		Humidity								
		Wind Velocity, m. per hr.	E by N, 15	ESE, 20	SE, 33					
Sept. 27th, 10.30 a.m. to 11.6 a.m.	Ditcham Park, Petersfield, 550 ft.	Wind Velocity, m. per hr.	E, 14 3,500 SE ½ E, 34	SEby E ½ E, 25 4,000 SE by E, 33	SE ½ E, 33 4,500 SE by E ½ E, 32	SE ½ S, 31 5,000 SE by E ½ E, 29	SE, 28	SE by S, 26	SE, 30	* Two theodolites (base 8,600 ft.) for 22 minutes; subsequent rate of ascent assumed as 520 ft. per min. Balloon burst (?) at 16,000 ft., 14 miles N. 41½° W.; fell near Andover 23½ miles W. 38° N.; overcast, Ci-S.
Sept. 27th, 1.0 p.m. to 5.50 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	66°	65°	60°	54°	47°	40°		Three kites, 231 sq. ft. Max. wire, 12,200 ft. Max. height, 8,555 ft. Min. temp. 40° F.
		Humidity	80%	80%	79%	87%	95°	100%		
		Wind Velocity, m. per hr.	E, —	I [illegible], 33	ESE, 33	ESE, 32	SE by E, 32	SE, 34		
Sept 28th, 4.0 p.m. to 5.8 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	66°	65°	61°	55°				One kite, 77 sq. ft. Max. height, 5,375 ft. Min. temp. 51°. Clear sky. Sharp decrease of humidity at 2,200 ft.
		Humidity	65%	78%	50%	48%				
		Wind Velocity, m. per hr.	E, —	E by S, 34	E by S, 34	E by S, 32				

* Pilot balloon; lift 85 grammes, diameter about 56 centimetres.

63, Victoria Street, London, S.W. *October 2nd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 40. FORTIETH WEEK, ENDING SATURDAY, OCTOBER 5TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was less fine generally than in the preceding week. Rain occurred rather frequently, and in some localities the falls were at times large. Thunder and lightning were experienced at some places in the south-east of England on Sunday and also on Wednesday; on the latter day a thunderstorm also occurred at Holyhead and thunder at Blackpool. At Brighton on Thursday from 2.20 to 2.30 p.m. a well-defined waterspout was observed eight miles from the shore.

Temperature was everywhere above the average, by more than 3° in several districts and by more than 4° in Scotland N. and England E. The highest of the maxima occurred early in the week except in Scotland. In many localities the thermometer rose to about 70°, and in England N.E. to 73°. The lowest of the minima, which were mostly recorded late in the period, ranged from 30° in Scotland E. and 31° in England S.W. to 43° in Ireland S. and to 44° in the English Channel.

Mean Temperature of the Sea.—As a rule the readings differed little from those of the preceding week, but at Aberdeen and in the south-west of England they were considerably lower. The actual values ranged from about 60° at Eastbourne, Margate, and the Shipwash Lightship to a little above 50° at Lerwick and Aberdeen.

Rainfall was generally deficient, especially in Scotland and the north-east of England, but exceeded the average in England E., Ireland S. and the English Channel. At Margate on the 3rd the fall amounted to 1·17 in., and on the same day on the west coast of Guernsey the measurement was as much as 2·08 ins.

Bright Sunshine was less than the average except in Scotland E. and England N.E. and N.W. The percentage of the possible duration ranged from 37 in the English Channel and about 30 in some other districts to 15 or 14 in Ireland.

Barometer and Wind.—At the commencement of the week a shallow depression covered the English Channel district and the Netherlands, and the winds over this country were consequently light from the Eastward. The next cyclonic system was a rather deep one that appeared off the south-west of Ireland on Tuesday morning and subsequently travelled slowly in a northerly direction. After reaching a position off the north-west of Ireland, however, its centre moved in a south south-easterly direction across Ireland and the south-west of England to the west of France. The South-Westerly and Southerly to Easterly winds accompanying this system blew strongly or freshly at times on various parts of our coasts, and in some western localities they became high for a time. The heavy rain that occurred at some of our southern stations at the end of the week was caused by the passage of a depression over France.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 300.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Very light	Very light	Moderate	Light	Moderate	Light	Light	Moderate	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Very scanty	Very scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 5 weeks from Sept. 1st.	Warmth ...	4 * 1	3 * 1	4 * 1	3 * 0	4 * 1	3 * 0	4 * 1	4 * 1	4 * 0	4 * 1	4 * 1	4 * 0
	Rainfall ...	1 * 4	1 * 4	0 * 4	0 * 3	1 * 4	0 * 3	0 * 4	0 * 4	1 * 3	0 * 3	1 * 2	2 * 2
	Sunshine ...	2 * 0	3 * 0	3 * 0	3 * 1	3 * 1	3 * 2	1 * 0	2 * 0	2 * 2	0 * 3	1 * 4	1 * 1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 315.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (40th)—September 29th to October 5th, 1907.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	70	37	58·3	46·6	52·2	+ 4·2	71	+ 24	0	0	3	− 2	0·43	−0·85	17	− 2	22	− 3
Eastern																		
1. SCOTLAND, EAST	70	30	58·4	43·4	50·6	+ 1·9	60	+ 8	0	−3	3	− 2	0·14	−0·50	24	+ 2	31	+ 3
2. ENGLAND, N.E.	73	34	59·7	47·2	53·3	+ 2·9	79	+ 18	0	−2	4	0	0·22	−0·31	24	+ 1	30	+ 1
3. ENGLAND, EAST	71	34	61·8	51·0	56·2	+ 4·7	99	+ 30	0	−2	5	+ 1	0·66	+0·06	25	− 2	31	− 3
4. MIDLAND COUNTIES	66	35	60·6	47·0	53·6	+ 3·3	81	+ 19	0	−3	3	− 1	0·24	−0·38	23	− 1	29	− 1
5. ENGLAND, SOUTH	66	37	61·3	49·9	55·4	+ 2·5	94	+ 16	0	−1	5	+ 1	0·69	−0·01	21	− 7	26	− 8
Western																		
6. SCOTLAND, WEST	70	38	59·6	46·7	53·0	+ 3·2	77	+ 29	0	−2	4	− 1	0·67	−0·54	20	− 3	24	− 3
7. ENGLAND, N.W.	68	34	60·3	47·3	53·6	+ 2·5	81	+ 16	0	−1	3	− 1	0·59	−0·34	26	+ 4	32	+ 5
8. ENGLAND, S.W...	68	31	59·6	48·8	54·1	+ 1·7	85	+ 11	0	0	5	0	0·88	−0·12	22	− 6	27	− 8
9. IRELAND, NORTH	70	38	59·7	48·7	54·0	+ 3·7	84	+ 25	0	−1	5	0	0·82	−0·10	12	− 10	15	−12
10. IRELAND, SOUTH	71	43	60·8	50·5	55·5	+ 3·9	95	+ 27	0	−1	5	+ 1	1·13	+0·35	11	− 15	14	−19
11. ENGLISH CHANNEL	66	44	62·0	52·8	57·3	+ 1·6	107	+ 11	0	0	5	+ 1	1·49	+0·64	30	− 2	37	− 2
THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 1st to October 5th, 1907.																		
0. SCOTLAND, NORTH	87	29	*	*	*	*	359	+ 44	2	+ 2	22	− 2	2·62	−2·62	143	+ 27	33	+ 6
Eastern																		
1. SCOTLAND, EAST	78	28	*	*	*	*	370	+ 22	1	− 5	13	− 7	1·30	−1·47	185	+ 53	43	+12
2. ENGLAND, N.E...	79	30	*	*	*	*	456	+ 49	0	− 2	11	− 6	0·72	−1·62	191	+ 54	44	+13
3. ENGLAND, EAST	81	31	*	*	*	*	521	+ 60	0	− 3	11	− 5	1·08	−1·42	206	+ 39	48	+ 9
4. MIDLAND COUNTIES.. ..	77	32	*	*	*	*	476	+ 54	0	− 5	9	− 7	0·92	−1·59	174	+ 27	40	+ 6
5. ENGLAND, SOUTH	78	33	*	*	*	*	551	+ 48	0	− 1	12	− 4	1·28	−1·52	198	+ 28	46	+ 7
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	428	+ 53	0	− 2	14	− 6	1·89	−3·12	146	+ 7	34	+ 2
7. ENGLAND, N.W...	80	28	*	*	*	*	490	+ 64	0	− 1	10	− 8	1·23	−2·45	167	+ 24	39	+ 6
8. ENGLAND, SW	76	31	*	*	*	*	527	+ 58	0	0	12	− 7	2·14	−1·72	187	+ 17	44	+ 4
9. IRELAND, NORTH	74	35	*	*	*	*	468	+ 74	0	− 1	16	− 6	2·17	−1·70	103	− 24	24	− 6
10. IRELAND, SOUTH	77	33	*	*	*	*	543	+107	0	− 1	16	− 3	2·65	−0·79	121	− 30	28	− 7
11. ENGLISH CHANNEL	81	44	*	*	*	*	638	+ 66	0	0	12	− 7	3·00	−0·24	206	+ 6	48	+ 2
THE YEAR.—Aggregates, &c., for the period of 40 Weeks, December 30th, 1906, to October 5th, 1907.																		
0. SCOTLAND, NORTH	87	8	*	*	*	*	1634	− 77	524	− 19	203	+19	38·48	+4·28	983	− 41	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1801	−327	600	+ 6	157	+ 4	20·74	−0·54	1167	− 8	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2298	− 59	501	+ 24	139	+ 2	15·35	−2·45	1323	+158	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2593	−128	518	− 6	130	− 2	14·45	−3·28	1401	+ 7	38	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2454	−204	540	+ 2	138	+ 7	17·75	−1·49	1241	− 5	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2690	−232	434	+ 52	126	0	15·60	−3·31	1450	+ 36	40	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2137	−124	404	− 8	167	+ 7	35·06	+0·83	1132	− 89	31	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2317	−176	418	+ 31	161	+15	24·41	−0·47	1220	− 23	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2510	−251	396	+ 95	157	+13	25·14	−1·40	1341	−116	37	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2201	−180	292	− 54	187	+13	29·51	+1·76	1053	− 65	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2668	− 54	256	− 4	179	+25	24·85	−3·79	1158	−101	32	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3017	−141	96	− 13	136	−16	17·75	−4·17	1540	−137	42	− 4

September 29-October 5, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	54	44	52·0	47·4	49·6	+ 1·4	53	0	6	0·71	- 0·17	6·8	- 14·8	9	- 19
		Stornoway	61	42	58·6	48·7	53·5	+ 4·9	81	0	3	0·53	- 0·60	23·6	+ 1·2	30	+ 2
	Mainland.	Wick	64	40	56·6	47·3	51·8	+ 2·9	69	0	3	0·44	- 0·23	*	*	*	*
		†Lairg (Strathpeffer) ..	70	37	62·2	44·8	53·2	+ 5·4	78	0	1	0·25	- 0·54	19·5	- 3·9	25	- 5
		Glencarron	66	44	60·0	46·0	52·8	+ 4·5	76	0	2	0·46	- 1·60	*	*	*	*
		Fort Augustus	64	38	59·1	45·2	51·9	+ 2·1	69	0	2	0·19	- 0·75	18·6	+ 2·1	24	+ 3
		Fort William	65	41	59·4	46·8	52·9	+ 2·6	76	0	3	0·44	- 1·33	*	*	*	*
		(West Linton)												23·4	—	30	—
1. SCOTLAND, E.		Nairn	65	36	58·3	42·3	50·1	+ 0·8	57	0	2	0·17	- 0·39	22·5	—	29	—
		Aberdeen	63	38	57·3	45·7	51·3	+ 1·4	65	0	4	0·34	- 0·30	30·3	+ 5·4	38	+ 7
		†Balmoral (Crathes) ..	70	30	61·1	38·9	49·7	+ 3·5	60	9	1	0·02	- 0·77	40·6	—	51	—
		†Crieff (Balruddery) ..	64	40	57·8	43·9	50·6	+ 1·0	60	0	5	0·10	- 0·76	17·2	—	22	—
		†Leith (Edinburgh) ..	63	42	58·3	46·7	52·3	+ 0·6	72	0	2	0·06	- 0·44	14·3	- 6·7	18	- 9
		Marchmont	61	39	57·3	42·7	49·8	+ 0·6	55	0	4	0·16	- 0·61	21·3	- 1·9	27	- 2
		(Saltburn)												22·6	—	29	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	63	36	58·4	44·7	51·4	+ 1·4	66	0	5	0·20	- 0·50	26·5	—	34	—
		†Shields (Newcastle)	63	40	57·7	45·9	51·6	+ 0·4	67	0	3	0·12	- 0·45	14·9	- 4·2	19	- 5
		Durham	60	34	57·8	44·9	51·2	+ 0·7	64	0	3	0·20	- 0·44	19·0	- 4·5	24	- 6
		Scarborough	62	42	58·5	48·0	53·1	+ 1·3	78	0	5	0·28	- 0·37	21·1	—	26	—
		York	64	38	61·2	47·4	54·1	+ 2·7	85	0	3	0·25	- 0·32	21·7	- 1·5	27	- 2
	Southern part.	Spurn Head	61	47	58·7	52·4	55·5	+ 2·1	95	0	3	0·22	- 0·26	*	*	*	*
		†Lincoln (Skegness)	73	37	63·5	47·1	55·1	+ 3·1	92	0	4	0·22	- 0·29	32·1	—	40	—
		†Fulbeck (Rauceby)	67	38	62·1	47·2	54·4	+ 3·0	87	0	4	0·28	- 0·24	24·6	—	31	—
3. ENGLAND, E.	Northern part.	Hillington	71	42	62·6	49·0	55·6	+ 3·4	95	0	5	0·39	- 0·24	26·0	- 0·8	33	- 1
		†Yarmouth (Lowestoft) ..	62	49	60·6	53·9	57·2	+ 3·9	106	0	5	0·49	- 0·12	25·7	—	32	—
		Gelderston	66	44	62·8	50·8	56·6	+ 3·8	102	0	5	0·67	+ 0·09	24·3	- 6·1	30	- 7
		(Cromer)												29·3	—	37	—
	Southern part.	Cambridge	68	34	63·2	48·5	55·6	+ 2·5	95	0	3	0·34	- 0·16	31·2	+ 2·2	39	+ 3
		Felixstowe	64	50	60·9	53·0	56·8	+ 3·9	104	0	5	1·04	—	21·9	—	27	—
		Clacton-on-Sea	65	48	61·3	53·1	57·1	+ 2·9	106	0	5	0·66	—	23·3	—	29	—
		Rothamsted	65	36	60·7	46·8	53·5	+ 1·9	81	0	5	0·83	+ 0·19	28·8	- 4·7	30	- 6
		†Shoeburyness (Southend) ..	66	43	61·6	52·0	56·7	+ 1·9	103	0	6	0·87	+ 0·20	18·0	—	23	—
		London, Westminster	66	43	62·7	51·7	57·0	+ 3·7	105	0	4	0·62	+ 0·06	23·3	+ 3·1	29	+ 4
		(Dunmow)												26·4	—	33	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	60	42	58·1	46·1	51·9	+ 1·5	69	0	3	0·11	- 0·56	23·1	—	29	—
		†Bawtry (Worksop)	66	37	62·6	46·4	54·3	+ 2·9	86	0	4	0·19	- 0·35	23·9	+ 1·3	30	+ 2
		Nottingham	65	41	61·4	48·1	54·6	+ 2·8	88	0	4	0·20	- 0·35	19·9	—	25	—
		Birmingham, Edgbaston ..	63	42	59·1	47·5	53·1	+ 1·5	78	0	2	0·24	- 0·36	15·4	—	19	—
		Oxford	65	42	61·3	48·9	54·9	+ 2·2	90	0	2	0·39	- 0·17	25·4	- 2·5	32	- 3
	Western part.	†Cheadle (Sheffield) ..												24·8	—	31	—
		Shrewsbury	65	35	60·9	46·3	53·4	+ 1·0	80	0	2	0·09	—	*	*	*	*
		Hereford	66	36	61·0	46·9	53·7	+ 2·1	82	0	6	0·40	- 0·18	*	*	*	*
		Cirencester	64	35	60·0	45·2	52·4	+ 1·2	73	0	2	0·26	- 0·42	24·3	- 2·7	30	- 3
		Bath	64	39	61·3	47·4	54·1	+ 1·7	85	0	3	0·27	- 0·40	28·3	—	35	—
		(Margate)												18·8	- 10·2	24	- 13
5. ENGLAND, S.		Kew	65	41	62·1	49·6	55·7	+ 2·6	96	0	5	0·61	+ 0·05	22·2	- 4·2	28	- 5
		Wisley, Surrey	65	39	61·6	48·8	55·0	+ 2·2	91	0	4	0·53	—	21·6	—	27	—
		†Swarraton (Ventnor) ..	63	37	60·2	45·7	52·7	+ 1·0	75	0	4	0·51	- 0·22	26·9	- 6·0	34	- 8
		Tunbridge Wells ..	64	39	60·5	48·2	54·2	+ 1·7	85	0	6	0·63	- 0·06	16·7	- 13·8	21	- 17
		†Dungeness (Littlestone) ..	65	45	61·3	51·4	56·2	+ 1·1	99	0	6	1·40	+ 0·75	17·3	—	22	—
		Hastings	65	44	61·3	51·2	56·1	+ 1·7	99	0	5	0·74	0·00	17·5	- 14·8	22	- 19
		Southampton	66	43	62·5	50·1	56·1	+ 1·9	99	0	4	0·53	- 0·19	26·8	- 3·7	34	- 5
		†Portland Bill (Worthing) ..	63	49	60·7	54·0	57·3	+ 1·4	107	0	4	0·53	—	18·8	—	24	—
		(Eastbourne)												14·6	- 17·5	18	- 22
6. SCOTLAND, W.		Laudale	70	43	61·1	48·4	54·6	+ 4·1	88	0	3	0·41	- 1·29	*	*	*	*
		Poltalloch	75	38	64·4	44·1	54·0	+ 3·3	84	0	3	0·42	- 0·79	*	*	*	*
		Glasgow	60	41	57·6	47·6	52·5	+ 2·7	74	0	4	0·33	- 0·53	14·7	- 4·4	19	- 6
		Rothesay	63	43	59·1	48·6	53·7	+ 3·0	82	0	5	0·97	- 0·10	*	*	*	*
		Dumfries	67	38	59·6	44·2	51·7	+ 0·9	68	0	5	0·81	- 0·05	*	*	*	*
		Cally	65	38	61·1	45·2	52·9	+ 2·6	76	0	3	1·14	+ 0·09	*	*	*	*
		Douglas, Isle of Man	61	42	58·7	48·0	53·2	+ 2·0	78	0	4	0·66	- 0·31	24·2	- 3·4	30	- 4
7.	ENGLAND, N.W.	Aspatria	64	38	59·9	44·8	52·1	+ 2·2	71	0	4	0·81	- 0·10	31·4	—	40	—
		Newton Rigg	64	34	59·1	42·9	50·8	+ 1·3	62	0	3	0·68	- 0·13	33·8	+ 10·4	43	+ 13
		Stonyhurst	63	39	58·2	46·2	52·0	+ 1·2	70	0	3	0·69	- 0·40	23·1	- 1·4	29	- 2
		Blackpool	64	38	59·2	47·3	53·1	+ 1·0	78	0	3	0·71	- 0·16	26·5	+ 1·6	33	+ 3
		Manchester, Prestwich ..	65	42	60·6	47·6	53·9	+ 2·9	83	0	3	0·36	- 0·51	24·1	+ 4·3	30	+ 5
		†Liverpool Obs. (Hoylake) ..	64	46	59·9	49·9	54·8	+ 2·1	90	0	3	0·24	- 0·51	17·3	—	22	—
		†Hawarden Bridge (Southport)	66	41	61·4	47·4	54·2	+ 1·6	85	0	4	0·11	- 0·54	22·6	- 1·8	28	- 2
	NORTH WALES	Llandudno	68	44	63·6	50·3	56·8	+ 3·0	104	0	3	0·47	- 0·30	23·5	- 1·2	29	- 2
		†Holyhead (Aberdovey) ..	65	50	59·9	51·0	55·3	+ 1·5	93	0	4	1·03	+ 0·18	28·2	—	35	—
		Bettws-y-Coed	64	38	60·7	45·1	52·7	- 0·6	75	0	4	0·84	—	24·8	—	31	—
		(Aberystwyth)												26·3	—	33	—
8.	SOUTH WALES	Llangammarch Wells	61	31	58·5	43·8	50·9	- 0·9	62	0	4	0·81	—	21·3	—	27	—
		Pembroke	62	48	59·3	51·7	55·4	+ 1·1	94	0	5	1·08	+ 0·25	20·2	- 8·1	25	- 10
		Cardiff	64	37	60·8	48·0	54·2	+ 1·4	85	0	4	0·74	- 0·26	19·7	—	25	—
	ENGLAND S.W.	Clifton	65	43	61·1	49·8	55·3	+ 1·5	93	0	3	0·29	- 0·50	24·6	—	31	—
		†Shaftesbury (Marlborough)	60	42	58·1	48·2	53·0	+ 0·6	77	0	4	0·77	+ 0·01	23·9	- 5·8	30	- 7
		†Arlington (Newquay)	61	43	58·6	47·3	52·8	+ 0·3	76	0	6	1·18	- 0·08	20·6	- 9·2	26	- 13
		Cullompton	68	37	61·0	45·6	53·1	+ 0·1	78	0	6	0·75	- 0·01	18·5	- 7·5	23	- 10
		Plymouth	62	48	59·9	52·2	55·9	+ 1·5	97	0	6	1·04	+ 0·24	24·0	- 5·0	30	- 6
		Falmouth	61	48	59·4	52·9	56·1	+ 1·6	99	0	6	1·25	+ 0·22	19·5	- 10·2	24	- 18
		(Torquay)												23·3	- 7·3	29	- 9
9. IRELAND, N.	Western part.	Malin Head	68	48	59·4	48·7	53·9	+ 2·0	83	0	4	0·35	- 0·36	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	68	48	60·0	51·3	55·5	+ 2·7	95	0	5	1·68	+ 0·61	*	*	*	*
		Markree Castle	70	44	60·1	48·8	54·3	+ 4·1	86	0	5	0·99	+ 0·08	8·4	- 14·0	11	- 18
	Eastern part.	Armagh	70	38	60·3	46·5	53·2	+ 3·1	78	0	5	0·60	- 0·05	14·7	- 8·6	18	- 11
		Donaghadee	63	45	58·7	48·1	53·2	+ 1·6	78	0	5	0·50	- 0·15	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	65	43	59·9	49·1	54·3	+ 1·8	86	0	5	0·67	+ 0·08	13·6	- 14·7	17	- 18
		Kilkenny	67	45	60·4	48·6	54·3	+ 2·6	86	0	5	0·66	0·00	*	*	*	*
		Waterford	67	45	61·3	49·7	55·3	+ 3·0	93	0	4	0·57	- 0·24	*	*	*	*
	Western part.	Birr Castle	68	44	60·1	48·6	54·2	+ 3·1	85	0	5	0·91	+ 0·26	6·7	- 19·0	8	- 24
		Foynes	70	47	61·1	51·0	55·9	+ 3·8	97	0	7	1·79	+ 1·02	*	*	*	*
		Killarney	71	47	62·6	51·5	56·9	+ 3·8	104	0	6	1·65	+ 0·56	*	*	*	*
		Valencia	64	49	60·7	52·9	56·7	+ 2·9	103	0	6	2·09	+ 0·93	13·4	- 13·0	17	- 16
		†Roches Point (Ballinacurra) ..	62	50	60·1	52·4	56·1	+ 2·5	99	0	5	0·68	- 0·21	11·4	—	14	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	64	53	61·3	54·6	57·9	+ 1·9	111	0	5	1·19	+ 0·42	29·3	- 2·7	37	- 3
		†Jersey, St. Aubins (St. Heliers)	66	44	62·6	51·0	56·6	- 0·6	102	0	5	1·37	+ 0·51	26·3	- 8·6	33	- 11
		Guernsey	66	47	62·1	52·9	57·4	+ 0·7	108	0	4	1·91	+ 0·99	33·1	+ 0·6	41	+ 1

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 22·1 hrs., 28 %; Brighton, 18·9 hrs. (- 13·1), 24 % (- 16 %); Bournemouth, 25·4 hrs., 32 %; Bognor, 25·3 hrs., 32 %; Rhyl, 22·0 hrs., 28 %; Tenby, 23·6 hrs. (- 5·6), 30 % (- 9 %).

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·6
	Crathes	2	26	52·8	52·8
	Balmoral	3	24	—	—
	Marchmont ..	0	34	53·0	—
2.	Cockle Park	0	33	52·6	52·4
	York	—	—	55·4	55·0
	Hull	0	35	53·4	54·0
	Lincoln	—	—	56·3	56·0
3.	Lowestoft	0	41	57·9	57·4
	Cambridge	1	28	57·3	57·6
	Dunmow	0	37	—	—
	Clacton-on-Sea ..	0	42	57·7	58·1
4.	Harrogate	0	35	53·2	53·0
	Sheffield	0	40	54·4	54·0
	— — ..				
	Birmingham	1	29	53·3	53·0
	Nottingham	0	36	54·6	56·1
	— — ..				
5.	Kew	1	30	56·4	56·6
	Canterbury	0	37	57·9	58·5
	Portsmouth	0	39	58·2	59·3
	Wisley	0	33	56·7	57·8
6.	Glasgow	0	34	—	—
	Dumfries	0	32	—	—
	Rothesay	—	—	—	53·2
	Douglas	0	38	—	—
7.	Newton Rigg ..	1	29	54·2	53·9
	Southport	1	28	55·5	57·3
	Manchester City ..	0	36	55·8	56·1
	Bettws-y-Coed ..	0	37	53·6	54·0
	— — ..				
8.	Llangammarch Wells	2	27	55·7	54·9
	— — ..	—	—	—	—
	Bath	—	—	—	—
	Plymouth	0	40	57·2	—
9.	Armagh	0	34	55·8	56·1
	Markree Castle ..	0	36	—	—
10.	Dublin, Trin. Coll. ..	0	36	55·6	56·0
11.	Guernsey, Brooklyn	0	39	60·6	60·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	50	50·3
	Kirkwall	53	51	52·8
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	54	53	53·3
	Pennan Bay	55	52	53·4
	Aberdeen, Cove Bay ..	52	49	50·2
ENGLAND, N.E.	Burnmouth, Berwick ..	52	50	51·4
	Scarborough	54	50	52·3
ENGLAND, E.	Shipwash Lightship ..	61	59	60·1
	Margate	62	58	60·2
ENGLAND, S.E.	Eastbourne‡	62	59	60·1
SCOTLAND, W.	Lamlash	56	54	54·5
	Ballantrae	54	51	52·5
ENGLAND, N.W.	Port Erin	57	55	55·7
ENGLAND, S.W.	Newquay	59	55	57·1
	Plymouth‡	59	56	57·9
	Salcombe	60	58	59·1
IRELAND, N.W.	Sheephaven	58	55	57·0
	Ballyglass	60	55	57·0
IRELAND, S.W.	Cleggan	60	55	57·4
	Seafield	—	—	—
IRELAND, E.	Kingstown‡	[59]	[56]	[57·4]

‡ Only one observation each day.

MEMORANDUM ON THE OCCURRENCE OF FROST IN ENGLAND IN OCTOBER.

(*Drawn up in response to an inquiry forwarded by the Board of Agriculture and Fisheries from a correspondent asking whether it is advisable to lift a crop of mangolds before 23rd October, on account of a "cold wave" said to be expected on that date.*)

The term "frost" should be understood to refer to occasions on which the minimum temperature in the *screen* fell below 30° at two stations at least, for which data are included in the Weekly Weather Report.

During the past 29 years the first frosts in October, as thus defined, have occurred on the following dates:

1878, 30th	1888, 3rd	1898, *
1879, 16th	1889, 14th	1899, 15th
1880, 22nd	1890, 28th	1900, 19th
1881, 16th	1891, 29th	1901, 21st
1882, 26th	1892, *	1902, *
1883, 21st	1893, 31st	1903, *
1884, *	1894, 23rd	1904, 13th
1885, 12th	1895, 17th	1905, 17th
1886, *	1896, 23rd	1906, 20th
1887, 16th	1897, 13th	

In six years, marked by an asterisk in the table, the temperature did not fall below 30° at two stations. In six years the first frost occurred in the first half of the month, the earliest date of occurrence being the 3rd. In 12 years it took place between the 16th and 23rd, and in five years between the 24th and the 31st.

The meteorological conditions under which these frosts have occurred may be divided into two main groups :—

(1). Typical anticyclonic conditions (high barometer with light airs), which occurred on six of the 29 occasions.

(2). Distribution of pressure favourable for northerly wind over the British Isles.

The cases classed under (2) may be again subdivided into two groups :—

(*a*). Cases of steady Northerly wind for several days with night minima steadily falling. There have been four such cases.

(*b*). Gradient for northerly winds in the rear of a depression which had passed over or near the British Isles and had caused wind and rain.

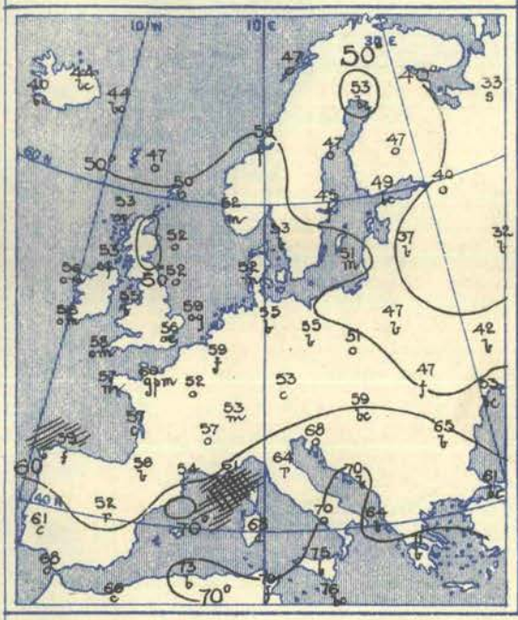
Frosts associated with case (*b*) have occurred in no fewer than 10 of the 29 years under consideration. On most of these occasions the rainfall during the day preceding the frosty night was zero or very small and frequently the dry period covered 48 hours or more. The dry period was generally marked by a rapidly rising barometer, while the wind, at first strong from between North-West and North-East, gradually moderated. The occurrence of night frosts is generally dependent on there being a clear sky at night.

Thus a frost may be expected to occur, in five years out of six, some time before the end of October, but the time of its occurrence is not regular. The most characteristic feature of its approach is wind from a Northerly quarter with a rapidly rising barometer, following a period of unsettled or rainy weather. The intensity of the cold experienced is subject to great local variations, depending on local circumstances and exposure.

Sunday, 29th September, 1907.

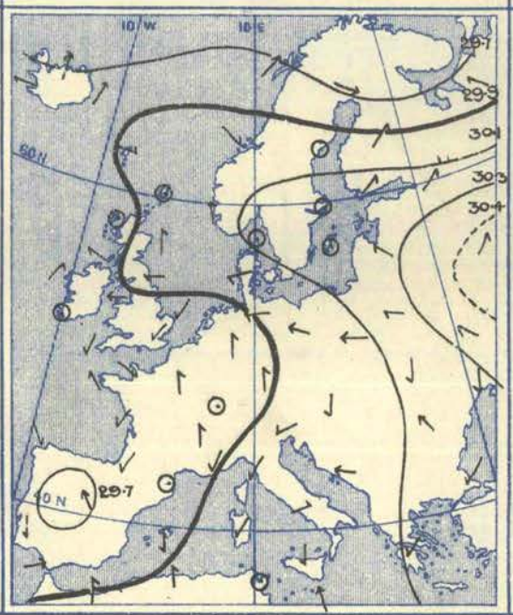
Temperature and Weather.

8 a.m.

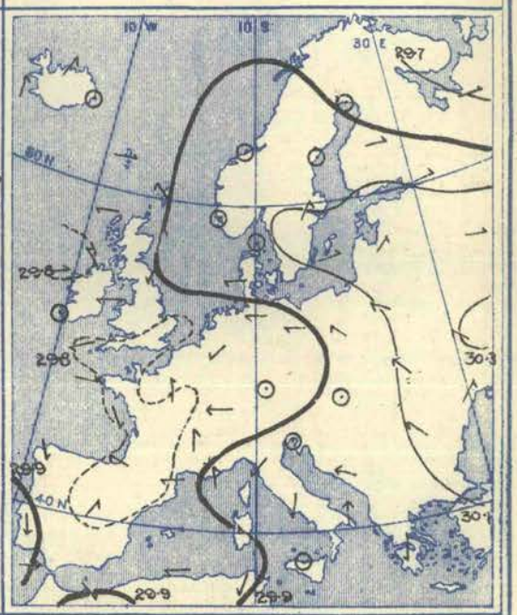


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in many parts of Russia, but cloudy or dull in most regions, with rain here and there over southern Europe and snow at Archangel. Very heavy rain falling later in the south of France and at Barcelona, and considerable amounts in northern Italy and at Trieste. Largest measurements reported 1·5 in. at Cape Béarn, about 2·2 ins. at Barcelona, and nearly 3·9 ins. at Mont Aigoual.

Temperature in morning showing no general change. Readings ranging from above 70° at a few stations in the Mediterranean region to about 60° in the south-east of England and the north of France, and to less than 40° over a large portion of Russia. Maxima during day below 65° at nearly all our own stations, as well as at Madrid, but thermometer rising to above 70° over a large part of the Continent, and to above 80° at some stations in the south.

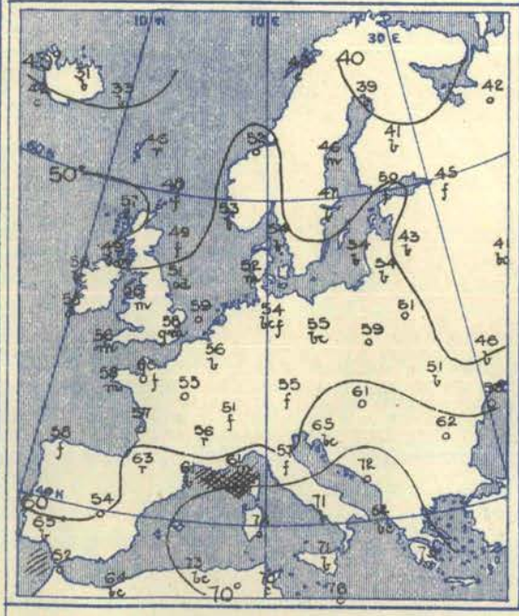
Wind in morning light and anticyclonic over most of eastern Europe, but light or moderate cyclonic movements shown over France and the Spanish Peninsula, and a moderate to Westerly current in the far north of our area. No change of a general character during day.

Barometer in morning ranging from above 30·4 ins. in an anticyclone having its maximum over Russia, to less than 29·8 ins. in a depression in the far north and also in an elongated system over the English Channel district, and to less than 29·7 ins. in another over Spain. No great alteration taking place later in the general distribution, but depressions in south undergoing considerable modification in form. Anticyclonic system giving way somewhat.

Monday, 30th September, 1907.

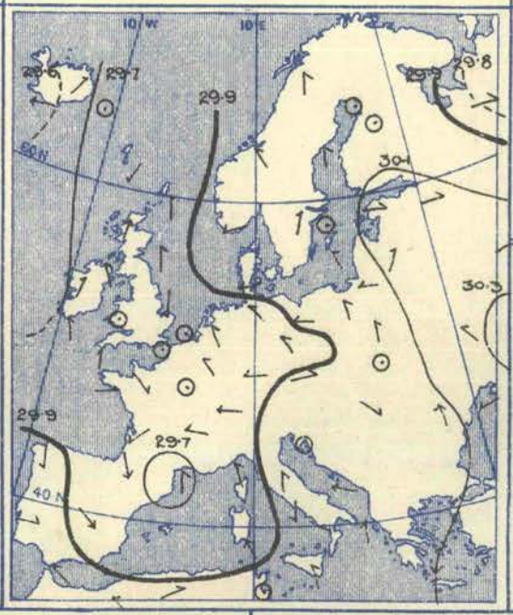
Temperature and Weather.

8 a.m.

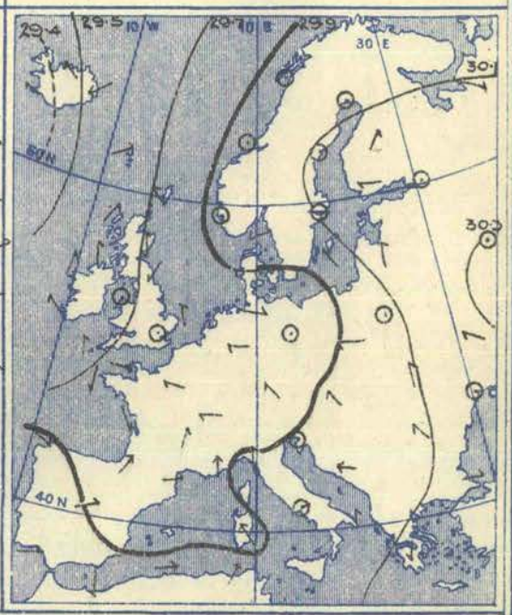


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull in nearly all parts of these Islands and their immediate neighbourhood, with much mist or fog, and with rain in places. Rainy towards the south of France and at some stations in central Europe, and foggy on the north-west coast of Spain and Portugal. Fair or fine over the major portion of Russia and over the Mediterranean region. Slight rain falling later in various parts of this country, and heavier amounts in France and at some stations in Spain and Italy; more than an inch at La Hève, Marseilles, and Croisette.

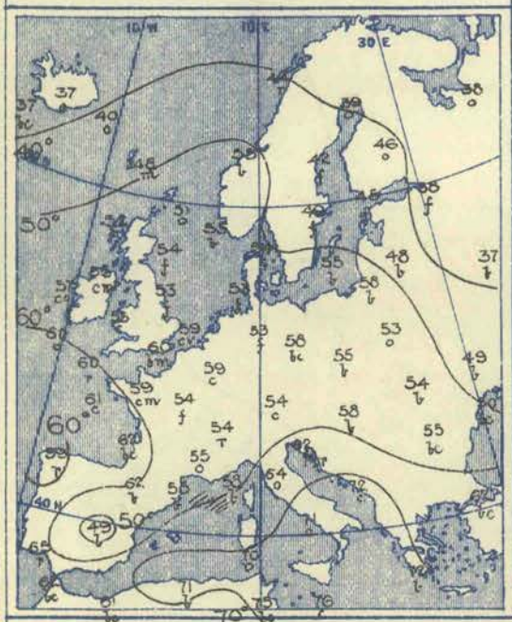
Temperature risen over most parts of Russia and Poland, fallen generally elsewhere. Readings in morning above 60° in all the most southern regions, and above 70° in places; below 50° in the north of Europe and at several stations in the north of these Islands, and below 40° in Iceland and the north of Sweden. Maxima during day not much above 60° in any part of these Islands, but thermometer rising to 70° or above in central Europe and to 80° at some stations in the south; highest reading 86° at Malta.

Wind in morning very light and rather variable over the United Kingdom and most of France, and light and anticyclonic over the east of our area. A cyclonic circulation prevailing over the south of France; Easterly current high at Cape Sicié, and that from North fresh at Biarritz. Little change later; Southerly wind becoming rather more decided along our west coast.

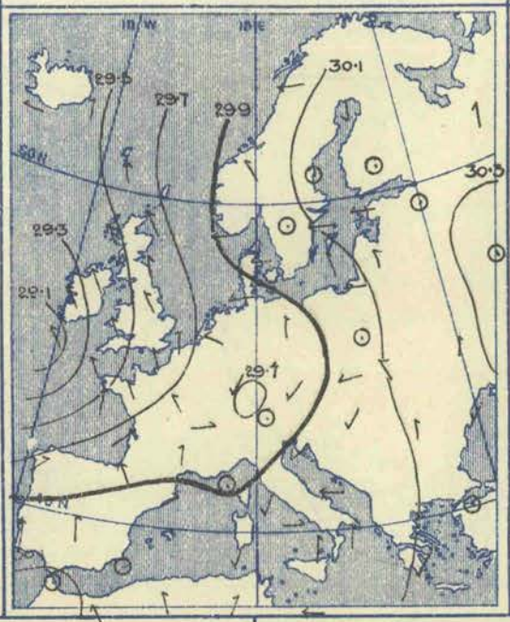
Barometer in morning ranging from 30·4 ins. in the neighbourhood of Kharkoff to 29·8 ins. at Archangel, below 29·7 ins. in a depression centred near Toulouse, and to below 29·6 ins. to the westward of Iceland. Pressure very uniform over these Islands. Barometer falling rather decidedly over Iceland, Scotland, and Ireland during day, and a large depression on the Atlantic gradually encroaching on those regions. Not much change in the general distribution.

Tuesday, 1st October, 1907.

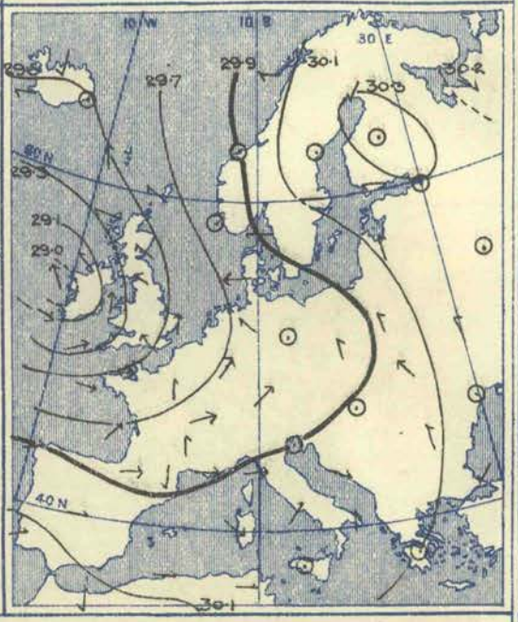
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with much cloud over our Islands and western and central Europe; rainy along the west coast of the Spanish Peninsula, at some of our own western stations, and also at Christiansund and Belfort. Fair or fine over the east and north-east of our area, and also in the Mediterranean region. Rain falling later in nearly all parts of these Islands, and heavier quantities in France and some other Continental regions. Largest measurements about 0·5 in. or rather more at several French stations, and at Scilly and Jersey.

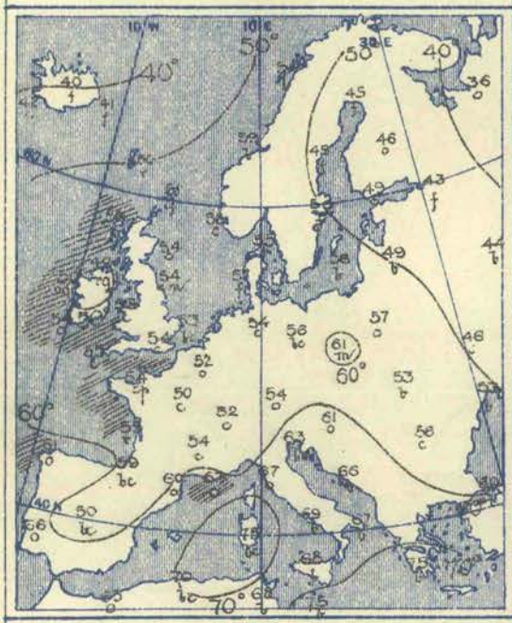
Temperature changed irregularly; readings in morning ranging from above 70° at a few places in the extreme south to below 60° very generally, and to below 40° in a large part of Russia, as well as in Iceland. Thermometer rising to above 80° at some stations in the extreme south during day, and to 70° or above in various parts of France and central Europe, but remaining below 65° at most of our own stations, and below 60° in some places.

Wind in morning Southerly to South-Easterly over these Islands and their vicinity; fresh or strong in the west and blowing a gale at Roche's Point. Light anticyclonic breezes prevailing over the east and north-east of Europe, and variable winds of little force over the Mediterranean. High or strong winds becoming very general later over our western and southern districts, and some increase in force taking place in France.

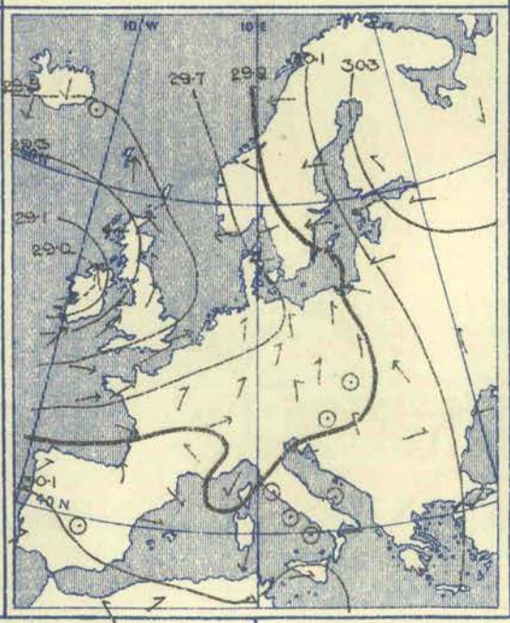
Barometer in morning above 30·4 ins. in the central parts of Russia; below 29·7 ins. in a small depression over Germany, and less than 29·1 ins. in a large system having its minimum off the south-west of Ireland. Latter disturbance travelling northwards during day, and barometer falling to below 29·0 ins. by 6 p.m. at Blacksod Point. Gradients increasing very generally over the United Kingdom and its vicinity, but very little change of pressure occurring over the Icelandic region.

Wednesday, 2nd October, 1907.

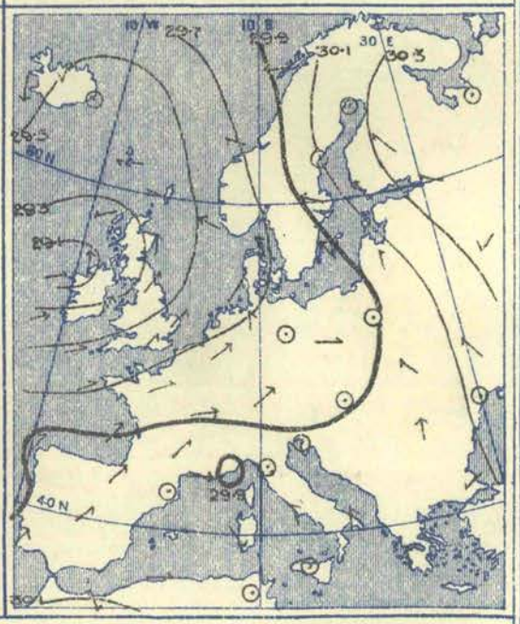
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in several parts of the Mediterranean region and in a few localities elsewhere, but cloudy to very dull over our area generally, with rain in some parts of our Islands and France, as well as at Skagen, Memel, and Frankfort, and fog in Sweden and Iceland. About 0·5 in. of rain falling later in the south-west of France and various quantities in most other Continental districts except in Russia and Poland. A thunderstorm occurring at Holyhead and lightning at Yarmouth; about 0·7 in. of rain measured in the west of Ireland, and 0·6 in at Holyhead.

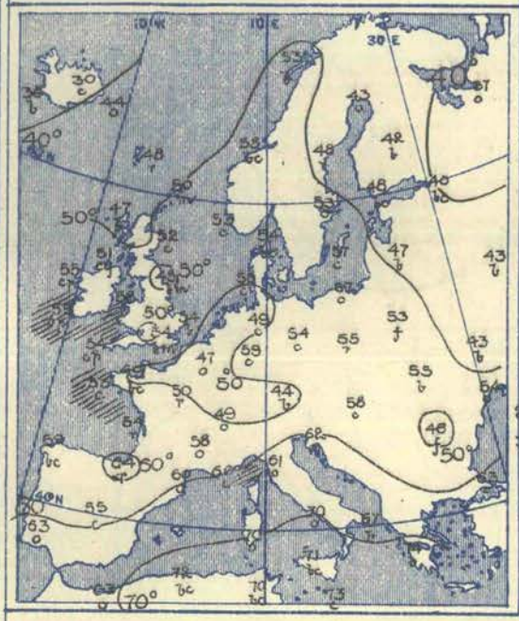
Temperature risen in the east and north of our area, fallen generally elsewhere. Readings in morning still above 70° at some stations in the far south, but below 60° over nearly all parts of France, and below 40° in the extreme north-east of Europe and at some stations in Iceland. Rising later to 86° at Patras and to above 80° at some stations in Italy and Algeria. Maxima below 70° generally, and below that point over a large portion of these Islands.

Wind in morning fresh to high from between South-West and South on our western coasts; moderate to fresh from the Eastward over Scandinavia, and light and rather variable over the Mediterranean. Little change later as a whole, but Southerly wind becoming high on the coast of Portugal, and Northerly current increasing to a fresh breeze at Reykjavik.

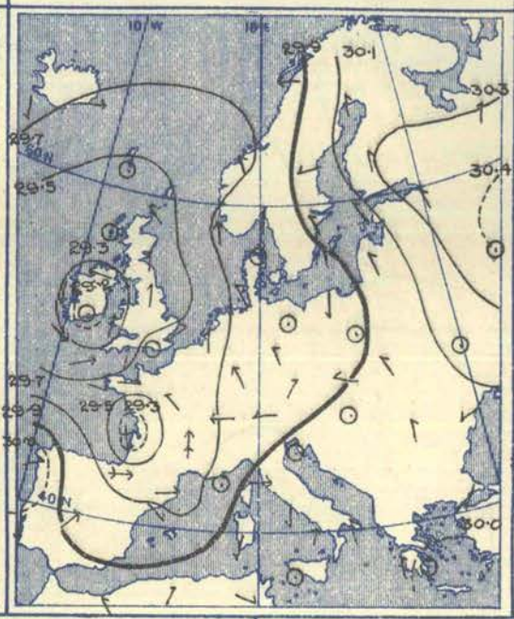
Barometer in morning above 30·3 ins. over the northern half of Russia, Finland, and also in the neighbourhood of Kharkoff. Below 29·0 ins. in a depression centred off the north-west of Ireland, and relatively low in a small disturbance over the Gulf of Genoa. Irish depression apparently becoming less deep later and remaining stationary. A brisk fall of the barometer occurring by evening at Oporto under the influence of another depression from the Atlantic. Pressure increasing decidedly in Iceland.

Thursday, 3rd October, 1907.

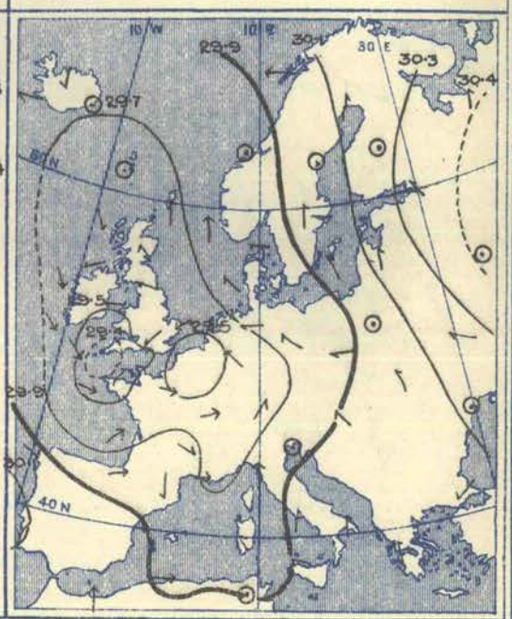
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very rainy in France and Ireland, and rain also falling at some stations in Sweden and at Madrid, Turin, and Breslau. Fair or fine in most parts of Great Britain, and southern and eastern Europe, as well as in Norway and Finland. No rain over the east of Great Britain during day, but moderate amounts in other parts of these Islands; very heavy falls in various parts of the Continent, 1 inch or more in northern Italy, 1·5 in. at Gap, 2·0 ins. at Cape Gris Nez, 2·2 ins. at Dunkerque, and 2·4 ins. at Nice.

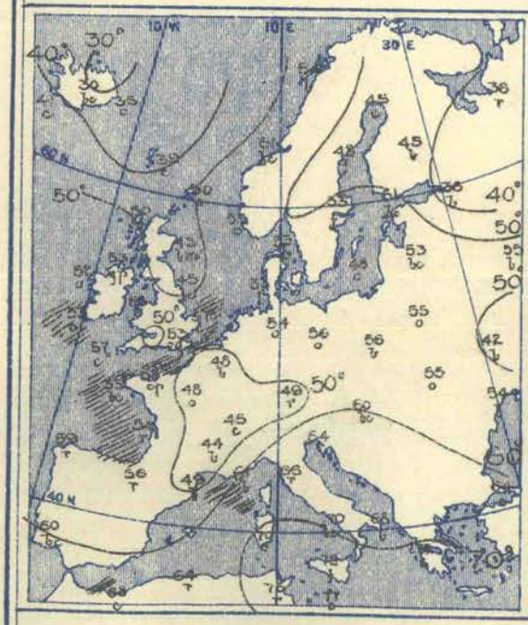
Temperature changed rather irregularly in some regions, but fallen as a whole. Readings in morning ranging from below 40° in the extreme north-east of our area, and at some stations in Iceland, to above 50° in most British and Irish localities and in nearly all parts of central Europe, to above 60° on the shores of the Mediterranean generally, and to above 70° in places. Maxima of 60° or above during day over central and southern England and the nearer parts of the Continent generally, but 75° to 80° at some of the Italian stations.

Wind in morning showing two complete cyclonic circulations—one over France, and the other over Ireland and its vicinity. A gale from the Northward prevailing at Rochefort, from West-South-West at Biarritz, and from the Southward at Lyons. Southerly current high on the coast of Wales, and that from West-North West strong at Valencia. Light and mainly Southerly breezes prevailing over the east and north-east of our area. Cyclonic circulation shown at 6 p.m. at the mouths of the Bristol and English Channels. Wind over France decreasing somewhat.

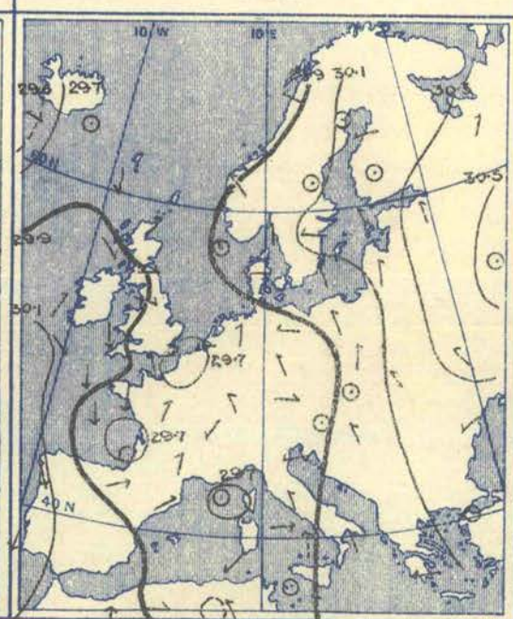
Barometer in morning below 29·2 ins. in a depression having its minimum over central Ireland, and below 29·4 ins. in another system over the west of France. Gradients steep or rather so over the Bay of Biscay and some parts of France, as well as on our western coasts. Pressure above 30·4 ins. over central Russia. First-named disturbance moving south-eastwards to Cornwall during day, that over France travelling north-eastwards to Belgium.

Friday, 4th October, 1907.

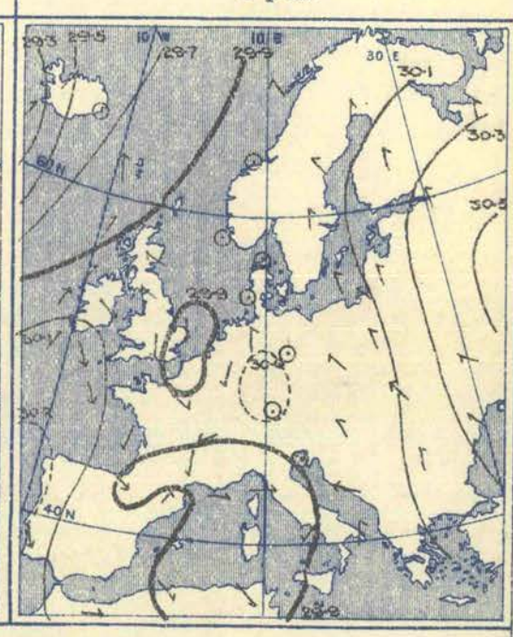
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the southern half of Russia, a large portion of central Europe, and in a few localities elsewhere, but cloudy or dull generally, with rain in scattered places over the western half of our area and also at Archangel. Rain experienced later in Ireland, Scotland, and the south-east of England, and heavier amounts in various parts of Algeria, Italy, and France. Thunderstorms occurring at Biarritz, Oran, and Tunis.

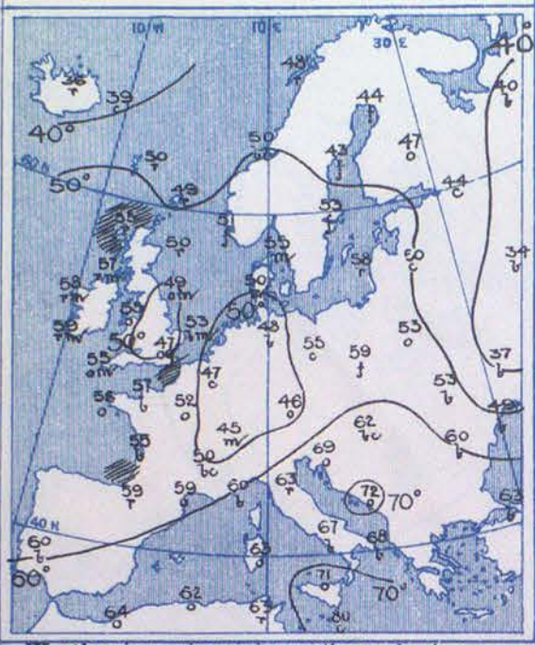
Temperature fallen in most regions. Readings in morning above 70° in the extreme south of our area and above 60° over the Mediterranean region generally; decreasing to below 40° in the north-east of Europe and to below 30° in some parts of Iceland. Maxima during day exceeding 80° at Tunis and Malta, but failing to reach that point generally in the south, and remaining below 60° in various parts of these Islands, France, and Germany. Thermometer only rising to 62° at Turin and 65° at Oporto.

Wind in morning circulating round various cyclonic centres over the western and southern regions, and anticyclonic in the east and north-east. Fresh or strong on our south-east coast and also over the Bay of Biscay. Moderate to very light as a whole. No general change later, but becoming South-Westerly over our western and northern districts by evening.

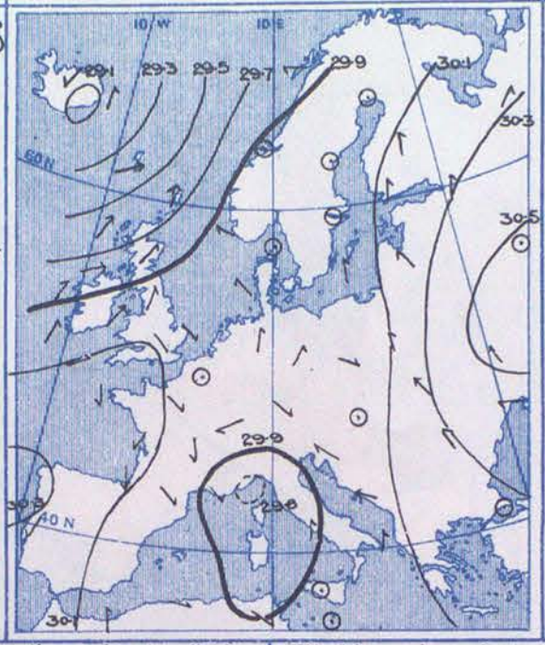
Barometer in morning above 30·5 ins. over central Russia, and just an inch lower off the west of Iceland. Below 29·7 ins. in depressions, (1) over Holland and our south east coast, (2) over the west of France, and (3) over the Gulf of Genoa. Pressure decreasing rather quickly during day over Iceland, and increasing briskly over the south-east of these Islands and in Holland and France. Russian anticyclone taking up a position further to the southward.

Saturday, 5th October, 1907.

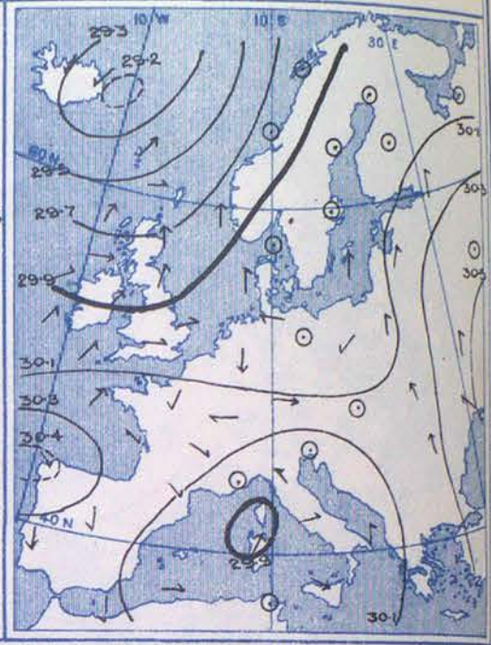
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; much rain over our northern and western districts, and also in a few localities both over the north and south of our area. Sky clear or nearly so over Russia, Holland and East Anglia. Rain falling later over the United Kingdom and in most Continental regions; amounts heavy in France, Italy, and in some parts of Germany and Russia. More than 1·4 in. at Cape Gris Nez, 2·1 ins. at Nantes, and 1·6 in. at Rome. More than an inch of rain also falling on the coast of Algeria, accompanied by a thunderstorm at Algiers.

Temperature risen in Ireland, Scotland, and in some parts of England, changed irregularly elsewhere. Readings in morning as high as 80° at Malta and about 70° on the shores of the Adriatic. Below 50° in many parts of central Europe and central England, and less than 40° in several Russian districts and in Iceland. Maxima during day only slightly above 60° in these Islands, the north of France, and Germany, but above 70° in some parts of Poland and Hungary, and as high as 80° or above at some stations on the shores of the Mediterranean. Highest value reported 91° at Malta.

Wind in morning moderate to fresh from the South-Westward over most of the United Kingdom. Light anticyclonic airs prevailing over the east of our area, as well as over the Bay of Biscay, and light cyclonic winds over the Mediterranean. No great change later; a moderate breeze from the North-Eastward setting in in Iceland.

Barometer in morning ranging from above 30·5 ins. in a high pressure over Russia, and above 30·3 ins. over the north-west of the Spanish Peninsula to 29·8 ins. and less over the Gulf of Genoa, and to less than 29·1 ins in Iceland. Depression over last-named district moving eastwards during day and barometer rising briskly in its rear. Pressure decreasing slowly over England and increasing somewhat over the Bay of Biscay. Little change occurring in the general distribution.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus ⟿ a heavy gale; ⟶ a gale; ⟶ a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. October 2nd, 10.35 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	60°	55°	47°	39°				One kite, 86 sq. ft.; 7,000 ft. wire. Wind trace lost, amount estimated from strain on wire.
		Humidity	70%	80%	90%	70%				
		Wind Velocity, m. per hr.	SSW, 10	SW, 25	SW by W, 28	WSW, 28				
October 3rd, 9.55 a.m. to 10.23 a.m.	Ditcham Park, Petersfield. 550 ft.	Wind Velocity, m. per hr.	SE ½ S, 6 3,500 S by W ½ W, 11	SE by S, 7 4,000 S ½ W, 16	S, 12 4,500 S ½ E, 20	S ½ W, 13 5,000 S by W, 24	S, 10 5,500 S by W ½ W, 30	S by W, 14 6,000 S by W ½ W, 34	S by E, 12	*Ballon-sonde*; two theodolites (base, 8,500 ft.); rate of ascent, 770 ft. per min. to 16,000 ft., assumed to remain constant to cloud level. Lost in cirrus at 21,000 ft. Fell near Marlow, 42 miles N by E, at 11.30 a.m.
October 3rd, 2.5 p.m. to 4.50 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	56°	53°	46°					Two kites, 154 sq. ft. Max. wire, 5,620 ft. Max. height, 4,045 ft. Min. temp., 43°.
		Humidity	75%	75%	75%					
		Wind Velocity, m. per hr.	S by E, —	S by E, 31	SSE, 32					
October 4th, 10.14 a.m. to 12.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	52°	45°					One kite, 66 sq. ft.; 4,500 ft. wire. Max. height, 3,700 ft., temp 46°. Slight inversion at 3,300 ft. Humidity from 70% to 100%, and wind from 20 to 40 m. per h., both extremely fluctuating. Clouds at 1,500 ft. at 10.40 a.m., at 2,500 ft. at 11.30 a.m.
		Humidity	90%							
		Wind Velocity, m. per hr.	NNW, —							
October 4th, 5.5 p.m.	Pyrton Hill, Oxon, 500 ft.	Wind Velocity, m. per hr.	500 ft. SW by S, 10	3,300 SW, 23	7,000 SW by W, 32	10,000 WSW, 34	13,500 WSW, 34	17,000 WSW, 30	20,000 SW by W, 32	Registering balloon, followed by one theodolite for 31 minutes. Diameter, 3s ins.
October 5th, 1.13 p.m. to 4.40 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	53°	51°	50°	49°	45°			One kite, 77 sq. ft. Max. wire, 8,500 ft. Kite out of sight soon after starting. Rain and mist all the time.
		Humidity	98%	100%	100%	100%	100%			
		Wind Velocity, m. per hr.	S by W, —	SW by S, 28	W, 31	W, 32	W, 33			

Corrections to the report for last week.

Sept. 23rd, 2.17 p.m., Ditcham Park. Two theodolites; rate of ascent, 500 ft. per minute for 17 minutes, assumed to remain constant subsequently.

Sept. 23rd, Pyrton Hill, Oxon. Time of observation should be 4 p.m.

63, Victoria Street, London, S.W. *October 9th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 41. FORTY-FIRST WEEK, ENDING SATURDAY, OCTOBER 12TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was very unsettled, and although some fine bright intervals were experienced in most districts, nearly every day brought a certain quantity of rain. Thunder and lightning occurred in nearly all parts of the Kingdom, and in some places hail was experienced.

Temperature was above the average in all districts excepting Ireland S., the excess being as much as 3° in England E. The highest of the maxima were recorded on rather irregular dates. In the Midland Counties the thermometer rose to 67° and in England N.E. and N.W. to 66°, but in Scotland E. and W. there was no higher reading than 60°. The lowest of the minima, which were generally recorded on the 8th or 9th, ranged from 26° in Scotland N. and E. to 35° in Ireland S., 36° in England S., and to 45° in the English Channel. Ground frost occurred over a very large area; the lowest grass temperatures reported were 17° at Balmoral, 18° at Crathes, and 23° at Birmingham.

Mean Temperature of the Sea was lower than during the preceding week at nearly all the observing stations, as much as 3° at Cromarty. The actual figures ranged from 58°·9 at the Shipwash Lightship, 58°·6 at Eastbourne and 58°·5 at Plymouth to a little above 50° at most places along the north-east coast of Great Britain.

Rainfall was above the average in all districts except Scotland N. The excess was large generally, and very large in the east of Scotland.

Bright Sunshine was less prevalent in the west than in the east and north-east; in the former region the values were less than the average, the percentage of the possible duration being only 20 in Ireland S. and 21 in Ireland N. In the east and north-east of Great Britain the duration exceeded the average, especially in Scotland N., where the percentage of the possible amount was 35. The brightest district was the English Channel, where the percentage was 43.

Barometer and Wind.—Depressions of various form and size appeared over these Islands or in their immediate neighbourhood, but the only disturbance to occasion the wind to rise to the force of a gale was one that lay over our western and south-western districts from Tuesday to Friday. Under the influence of this system a gale from East or North-East occurred on the north coast of Ireland on Tuesday night, strong winds to a strong gale from South-East or South along our southern coasts on Thursday. The centre of this disturbance moved southwards, in the first place in a southerly direction from the Scilly Isles to Brittany, but afterwards travelled in a northerly and finally in a north-westerly direction to the Atlantic beyond Ireland.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 6 weeks from Sept. 1st.	Warmth ...	4*1	3*1	5*1	4*0	4*1	4*0	4*1	4*1	4*0	4*1	4*1	5*0
	Rainfall ...	1*4	2*4	1*4	1*3	2*4	1*3	1*4	1*4	2*3	1*3	2*2	2*2
	Sunshine ...	3*0	3*0	3*0	3*1	3*1	3*2	1*1	2*0	2*2	0*4	1*5	1*1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2*0	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	7*2	3*2	3*5	1*5	5*4	4*5	5*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	2*7	1*7	2*3	0*5	2*6	3*5	2*6	2*6	1*6	3*3	2*5	2*7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (41st)—October 6th to 12th, 1907.

DISTRICTS. (See p. 323.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	62	26	53·2	40·6	46·7	+ 0·1	39	0	4	−2	6	+ 1	1·03	−0·14	26	+ 9	35	+11
Eastern																		
1. SCOTLAND, EAST	60	26	55·1	42·0	48·4	+ 1·4	45	+ 2	0	−6	6	+ 2	1·96	+1·24	25	+ 5	34	+ 7
2. ENGLAND, N.E.	66	28	58·0	44·6	51·1	+ 2·3	64	+ 14	0	−3	6	+ 2	1·32	+0·66	25	+ 4	33	+ 5
3. ENGLAND, EAST	65	32	59·5	46·7	52·9	+ 3·1	76	+ 17	0	−4	5	+ 1	0·85	+0·18	26	+ 1	35	+ 1
4. MIDLAND COUNTIES	67	29	57·7	43·0	50·2	+ 1·6	57	+ 4	0	−5	5	+ 1	1·31	+0·64	23	0	30	0
5. ENGLAND, SOUTH	64	36	59·3	48·5	53·8	+ 2·7	83	+ 16	0	−3	6	+ 2	1·22	+0·50	25	0	33	0
Western																		
6. SCOTLAND, WEST	60	34	55·1	44·2	49·5	+ 1·2	53	+ 5	0	−4	7	+ 3	1·87	+0·75	16	− 4	21	− 6
7. ENGLAND, N.W.	66	32	56·5	44·8	50·5	+ 0·9	60	+ 5	0	−1	6	+ 1	1·47	+0·54	20	0	27	0
8. ENGLAND, S.W...	64	32	57·0	45·5	51·1	+ 0·2	64	0	0	−2	6	+ 2	1·82	+0·79	23	− 3	30	− 4
9. IRELAND, NORTH	62	34	53·8	44·7	49·1	+ 0·4	50	0	0	−2	7	+ 2	1·82	+0·94	16	− 4	21	− 5
10. IRELAND, SOUTH	64	35	54·8	44·7	49·6	− 0·5	53	− 6	0	−2	7	+ 3	1·64	+0·77	15	− 9	20	−12
11. ENGLISH CHANNEL	64	45	60·3	50·7	55·4	+ 1·1	94	+ 8	0	0	6	+ 1	1·09	+0·21	33	+ 4	43	+ 5

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 6 Weeks, September 1st to October 12th, 1907.

0. SCOTLAND, NORTH	87	26	*	*	*	*	398	+ 44	6	0	28	− 1	3·65	−2·76	169	+ 35	33	+ 7
Eastern																		
1. SCOTLAND, EAST	78	26	*	*	*	*	415	+ 24	1	− 11	19	− 5	3·26	−0·23	210	+ 58	41	+11
2. ENGLAND, N.E...	79	28	*	*	*	*	520	+ 63	0	− 5	17	− 4	2·04	−0·96	216	+ 58	43	+11
3. ENGLAND, EAST	81	31	*	*	*	*	597	+ 77	0	− 7	16	− 4	1·93	−1·24	232	+ 40	46	+ 8
4. MIDLAND COUNTIES.. ..	77	29	*	*	*	*	533	+ 58	0	− 10	14	− 6	2·23	−0·95	197	+ 27	39	+ 5
5. ENGLAND, SOUTH	78	33	*	*	*	*	634	+ 64	0	− 4	18	− 2	2·50	−1·02	223	+ 27	44	+ 5
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	481	+ 58	0	− 6	21	− 3	3·76	−2·37	162	+ 3	32	+ 1
7. ENGLAND, N.W...	80	28	*	*	*	*	550	+ 69	0	− 2	16	− 7	2·50	−1·91	187	+ 24	37	+ 5
8. ENGLAND, SW	76	31	*	*	*	*	591	+ 58	0	− 2	18	− 5	3·96	−0·93	210	+ 14	42	+ 3
9. IRELAND, NORTH	74	34	*	*	*	*	518	+ 74	0	− 3	23	− 4	3·99	−0·76	119	− 28	23	− 6
10. IRELAND, SOUTH	77	33	*	*	*	*	596	+101	0	− 3	23	0	4·29	−0·02	136	− 40	27	− 8
11. ENGLISH CHANNEL	81	44	*	*	*	*	732	+ 74	0	0	18	− 6	4·09	−0·03	239	+ 9	47	+ 2

THE YEAR.—Aggregates, &c., for the period of 41 Weeks, December 30th, 1906, to October 12th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1673	−177	528	− 21	209	+20	39·51	+4·14	1009	− 33	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1846	−325	600	0	163	+ 6	22·70	+0·70	1192	− 3	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2362	− 45	501	+ 21	145	+ 4	16·67	−1·79	1348	+162	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2669	−111	518	− 10	135	− 1	15·30	−3·10	1427	+ 7	38	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2511	−200	540	− 3	143	+ 8	19·06	−0·85	1264	− 5	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2773	−216	434	+ 49	132	+ 2	16·82	−2·81	1475	+ 36	40	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2190	−119	404	− 12	174	+10	36·93	+1·58	1148	− 93	30	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2377	−171	418	+ 30	167	+16	25·88	+0·07	1240	− 23	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2574	−251	396	+ 93	163	+15	26·96	−0·61	1364	−118	37	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2251	−180	292	− 56	194	+15	31·33	+2·70	1069	− 69	28	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2721	− 60	256	− 6	186	+28	26·49	−3·02	1173	−110	31	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3111	−133	96	− 13	142	−15	18·84	−3·96	1573	−134	42	− 4

October 6-12, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
Q. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	53	38	50·6	43·4	46·9	− 0·1	34	0	6	0·92	− 0·02	31·7	+ 11·8	43	+ 16
	Stornoway	56	31	52·7	40·4	46·4	− 0·9	38	4	5	0·80	− 0·41	31·9	+ 11·3	43	+ 15
Q. SCOTLAND, N. — Mainland.	Wick	58	27	52·6	38·9	45·6	− 1·9	38	9	4	0·58	− 0·12	*	*	*	*
	†Lairg (Strathpeffer) ..	62	26	57·5	34·6	45·7	− 0·4	57	21	6	0·65	− 0·20	21·6	0·0	29	0
	Glencarron	59	? 31	52·4	41·6	46·8	+ 0·1	35	1	7	2·10	0·00	*	*	*	*
	Fort Augustus	59	30	53·5	42·1	47·6	− 0·6	39	0	6	0·72	− 0·23	20·3	+ 5·3	27	+ 7
	Fort William	60	33	53·4	43·0	48·1	− 0·7	43	0	6	1·41	− 0·35	*	*	*	*
	(West Linton)												24·6	—	33	—
1. SCOTLAND, E.	Nairn	60	27	54·6	38·6	46·4	− 1·2	45	10	6	1·13	+ 0·57	31·9	—	43	—
	Aberdeen	59	33	55·6	44·0	49·6	+ 1·3	53	0	5	1·93	+ 1·27	27·2	+ 3·7	36	+ 5
	†Balmoral (Crathes) ..	60	26	55·6	40·1	47·6	+ 3·1	47	5	6	1·64	+ 0·80	23·0	—	31	—
	†Crieff (Balruddery) ..	58	29	53·4	42·1	47·6	− 0·3	39	0	6	1·54	+ 0·64	23·2	—	31	—
	†Leith (Edinburgh) ..	60	32	55·6	45·1	50·2	+ 0·4	57	0	7	2·60	+ 2·11	20·9	+ 1·2	28	+ 2
	Marchmont	60	29	56·0	41·9	48·7	+ 1·3	47	0	6	2·03	+ 2·13	25·9	+ 4·7	35	+ 6
	(Saltburn)												22·7	—	30	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	64	29	57·7	44·0	50·7	+ 2·4	61	0	6	2·15	+ 1·39	28·7	—	38	—
	†Shields (Newcastle)	62	35	55·9	42·6	49·1	− 0·3	50	0	6	1·56	+ 0·93	15·6	− 1·9	21	− 3
	Durham	60	28	56·5	43·5	49·8	+ 1·2	55	0	6	1·48	+ 0·79	20·9	− 0·9	28	− 1
	Scarborough	65	40	59·1	46·8	52·8	+ 1·7	76	0	6	1·39	+ 0·69	19·9	—	26	—
	York	65	34	59·0	43·1	50·8	+ 1·3	62	0	5	1·09	+ 0·48	24·2	+ 3·2	32	+ 4
2. ENGLAND, N.E. — Southern part.	Spurn Head	63	44	57·6	48·9	53·1	+ 1·4	78	0	6	0·97	+ 0·47	*	*	*	*
	†Lincoln (Skegness)	66	34	59·3	44·0	51·4	+ 1·4	66	0	6	0·83	+ 0·29	26·7	—	35	—
	†Fulbeck (Rauceby)	65	32	58·6	44·1	51·1	+ 1·8	64	0	5	1·05	+ 0·51	30·1	—	40	—
3. ENGLAND, E. — Northern part.	Hillington	62	33	59·5	43·2	51·1	+ 0·9	64	0	5	0·91	+ 0·27	23·5	− 0·9	31	− 1
	†Yarmouth (Lowestoft) ..	62	43	59·3	50·0	54·5	+ 3·2	88	0	5	1·04	+ 0·38	29·4	—	39	—
	Geldeston	63	32	59·5	44·2	51·6	+ 0·6	67	0	5	1·33	+ 0·73	26·9	− 0·6	35	− 1
	(Cromer)													—		—
3. ENGLAND, E. — Southern part.	Cambridge	65	34	60·2	43·2	51·5	+ 0·6	67	0	3	0·38	− 0·15	30·7	+ 4·2	40	+ 6
	Felixstowe	62	40	59·7	48·7	54·0	+ 2·8	84	0	5	1·10	—	27·6	—	36	—
	Clacton-on-Sea	63	44	59·7	49·3	54·4	+ 1·9	87	0	5	0·99	—	27·2	—	36	—
	Rothamsted	62	37	58·1	44·8	51·3	+ 1·5	65	0	5	0·50	− 0·17	26·2	0·0	35	0
	†Shoeburyness (Southend) ..	63	40	59·9	48·1	53·8	+ 1·0	83	0	6	1·07	+ 0·57	23·2	—	31	—
	London, Westminster	62	45	59·3	49·0	54·0	+ 2·9	84	0	6	0·37	− 0·24	22·9	+ 5·3	30	+ 7
	(Dunmow)												25·8	—	34	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	62	31	55·3	41·3	48·1	− 0·5	46	2	5	1·04	+ 0·31	16·9	—	22	—
	†Bawtry (Worksop)	65	29	59·3	42·6	50·7	+ 1·4	61	0	5	1·14	+ 0·57	20·8	+ 0·4	27	+ 1
	Nottingham	67	30	59·4	42·1	50·5	+ 0·5	60	0	5	0·94	+ 0·37	23·9	—	31	—
	Birmingham, Edgbaston ..	65	36	57·3	45·1	51·0	+ 1·2	63	0	5	1·22	+ 0·58	14·2	—	19	—
	Oxford	65	39	58·1	45·7	51·7	+ 0·9	68	0	4	0·96	+ 0·36	25·0	− 0·1	33	0
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) ..	? 63	35	56·4	44·2	50·1	+ 1·5	57	0	5	0·95	+ 0·21	28·3	—	37	—
	Shrewsbury	66	29	58·2	39·4	48·5	− 2·3	56	7	6	1·38	—	*	*	*	*
	Hereford	66	32	57·8	43·5	50·4	+ 0·6	59	0	7	1·87	+ 1·26	*	*	*	*
	Cirencester	63	32	56·6	42·5	49·3	0·0	51	0	6	1·45	+ 0·75	24·1	− 0·7	32	− 1
	Bath	64	34	59·0	43·9	51·2	+ 0·6	64	0	6	2·17	+ 1·50	29·5	—	39	—
	(Margate)												25·1	− 1·5	33	− 2
5. ENGLAND, S.	Kew	63	41	59·2	46·9	52·9	+ 1·9	76	0	6	0·41	− 0·18	25·3	+ 1·6	33	+ 2
	Wisley, Surrey	63	38	58·8	46·7	52·6	+ 2·0	74	0	6	0·43	—	22·0	—	29	—
	†Swarraton (Ventnor) ..	63	36	58·1	44·9	51·3	+ 1·5	65	0	6	1·28	+ 0·50	31·8	+ 1·8	41	+ 2
	Tunbridge Wells ..	61	40	57·8	45·7	51·6	+ 1·0	67	0	6	1·88	+ 1·13	19·9	− 7·5	26	− 10
	†Dungeness (Littlestone) ..	62	47	60·7	52·0	56·2	+ 2·9	99	0	7	1·25	+ 0·56	28·4	—	37	—
	Hastings	62	47	59·9	51·3	55·5	+ 2·6	95	0	6	1·30	+ 0·51	29·7	+ 0·1	39	0
	Southampton	64	42	61·3	48·5	54·7	+ 2·2	89	0	6	1·12	+ 0·34	26·9	− 0·9	35	− 1
	†Portland Bill (Worthing) ..	60	46	58·9	52·1	55·4	+ 1·1	94	0	6	2·07	—	24·8	—	32	—
	(Eastbourne)												26·3	− 2·5	34	− 3
6. SCOTLAND, W.	Laudale	60	35	53·9	43·7	48·7	− 0·4	47	0	6	1·19	− 0·51	*	*	*	*
	Poltalloch	61	34	54·9	41·7	48·1	− 1·0	44	1	6	1·67	+ 0·45	*	*	*	*
	Glasgow	57	37	53·4	45·5	49·3	+ 1·0	51	0	6	2·05	+ 1·21	15·3	− 2·1	20	− 3
	Rothesay	60	37	54·1	46·0	49·9	+ 0·7	55	0	7	2·04	+ 0·97	*	*	*	*
	Dumfries	60	34	56·7	45·1	50·7	+ 1·5	61	0	7	2·27	+ 1·37	*	*	*	*
	Cally	59	35	56·0	41·8	48·7	+ 0·1	48	1	7	1·89	+ 0·79	*	*	*	*
	Douglas, Isle of Man	60	35	55·3	45·1	50·1	+ 0·2	57	0	7	1·93	+ 0·90	16·6	− 8·6	22	− 11
7. ENGLAND, N.W. .. .. —	Aspatria	60	38	56·5	44·4	50·3	+ 2·0	58	0	7	2·32	+ 1·41	29·7	—	39	—
	Newton Rigg	59	32	54·8	42·5	48·5	+ 0·7	46	0	7	1·52	+ 0·66	26·0	+ 5·2	34	+ 7
	Stonyhurst	60	36	55·0	44·2	49·4	+ 0·2	52	0	6	1·07	− 0·04	24·4	+ 2·5	32	+ 3
	Blackpool	60	35	56·1	45·0	50·4	0·0	59	0	6	0·98	+ 0·07	23·5	+ 0·8	31	+ 1
	Manchester, Prestwich ..	62	35	57·6	43·5	50·3	+ 0·9	58	0	6	1·31	+ 0·42	22·7	+ 6·1	30	+ 8
	†Liverpool Obs. (Hoylake) ..	63	39	56·3	46·0	51·0	+ 0·1	63	0	6	1·29	+ 0·49	15·6	—	21	—
	†Hawarden Bridge (Southport)	66	34	58·8	44·2	51·3	+ 0·5	65	0	7	1·70	+ 0·99	18·7	− 3·1	25	− 4
NORTH WALES .. .. —	Llandudno	64	41	58·4	48·0	53·1	+ 0·9	78	0	6	1·50	+ 0·66	17·8	− 4·2	23	− 6
	†Holyhead (Aberdovey) ..	58	43	55·0	47·6	51·2	− 1·0	64	0	6	1·27	+ 0·33	12·6	—	17	—
	Bettws-y-Coed	62	34	56·1	42·6	49·2	− 2·7	56	0	6	1·73	—	11·6	—	15	—
	(Aberystwyth)												13·5	—	18	—
8. SOUTH WALES .. .. —	Llangammarch Wells	60	32	55·3	42·1	48·5	− 2·2	46	0	7	1·37	—	21·6	—	28	—
	Pembroke	58	42	55·4	47·6	51·4	− 1·9	66	0	7	1·55	+ 0·68	14·0	− 11·8	18	− 16
	Cardiff	62	33	58·5	45·3	51·7	+ 0·3	68	0	7	2·18	+ 1·13	27·4	—	36	—
8. ENGLAND S.W. .. .. —	Clifton	62	39	57·9	47·2	52·4	+ 0·7	73	0	6	1·55	+ 0·71	29·5	—	39	—
	†Shaftesbury (Marlborough)	62	40	56·6	46·3	51·3	+ 1·0	65	0	5	2·08	+ 1·28	21·4	− 1·6	28	− 2
	†Arlington (Newquay)	59	35	56·0	44·0	49·8	− 0·9	55	0	7	2·23	+ 0·87	20·0	− 7·4	26	− 10
	Cullompton	64	33	58·3	42·1	50·0	− 0·9	56	0	5	1·72	+ 0·90	25·7	+ 2·2	33	+ 3
	Plymouth	62	39	57·9	47·9	52·8	− 0·1	76	0	7	1·76	+ 0·93	26·6	+ 0·4	35	+ 1
	Falmouth	61	44	57·4	47·2	52·2	− 1·0	71	0	7	1·95	+ 0·85	27·3	− 0·2	36	0
	(Torquay)												31·7	+ 4·2	41	+ 5
9. IRELAND, N. — Western part.	Malin Head	54	39	52·0	45·0	48·4	− 2·0	45	0	7	1·38	+ 0·66	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	57	42	54·0	47·4	50·6	− 0·8	60	0	7	2·16	+ 1·03	*	*	*	*
	Markree Castle	62	34	54·4	42·4	48·2	− 0·5	43	0	6	1·93	+ 0·98	18·6	− 2·5	25	− 3
9. IRELAND, N. — Eastern part.	Armagh	60	38	53·9	42·7	48·1	− 0·5	43	0	7	2·22	+ 1·58	13·9	− 7·9	18	− 10
	Donaghadee	58	38	54·9	46·0	50·3	+ 0·2	58	0	7	1·43	+ 0·78	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	64	42	55·3	46·9	51·0	0·0	63	0	7	1·90	+ 1·27	12·7	− 13·3	17	− 18
	Kilkenny	64	37	55·1	43·0	48·9	− 1·1	48	0	6	1·73	+ 1·04	*	*	*	*
	Waterford	59	38	55·4	44·4	49·7	− 1·0	54	0	7	1·24	+ 0·38	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	61	35	53·3	41·6	47·3	− 2·0	39	1	7	1·75	+ 1·09	12·1	− 11·8	16	− 16
	Foynes	59	41	53·4	45·5	49·3	− 1·3	51	0	7	1·94	+ 1·12	*	*	*	*
	Killarney	62	35	56·3	43·9	49·9	− 1·7	55	0	7	2·22	+ 1·05	*	*	*	*
	Valencia	59	38	54·7	45·9	50·2	− 2·3	57	0	7	1·20	− 0·02	19·5	− 5·2	26	− 7
	†Roches Point (Ballinacurra) ..	61	39	55·1	46·1	50·5	− 1·7	60	0	7	1·12	+ 0·19	17·4	—	22	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	62	46	58·6	49·0	53·7	− 1·0	82	0	7	1·62	+ 0·82	25·9	− 2·3	34	− 3
	†Jersey, St. Aubins (St. Heliers)	64	45	61·4	51·4	56·3	+ 0·9	100	0	6	0·74	− 0·21	36·1	+ 4·6	47	+ 6
	Guernsey	63	46	60·8	51·8	56·2	+ 1·0	99	0	6	0·90	− 0·10	37·7	+ 8·7	49	+ 11

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 28·4 hrs., 37 %; Brighton, 25·7 hrs. (− 3·9), 33 % (− 5 %); Bournemouth, 34·5 hrs., 45 %; Bognor, 28·5 hrs., 37 %; Rhyl, 19·0 hrs., 25 %; Tenby, 16·1 hrs. (− 10·6), 21 % (− 14 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·0
	Crathes	1	18	50·8	51·9
	Balmoral	2	17	—	—
	Marchmont ..	1	25	50·6	—
2.	Cockle Park	1	26	50·8	51·5
	York	—	—	53·3	54·3
	Hull	1	30	51·4	54·0
	Lincoln	—	—	53·6	55·1
3.	Lowestoft	0	35	54·9	56·6
	Cambridge	2	28	54·2	56·6
	Dunmow	0	34	—	—
	Clacton-on-Sea ..	1	29	55·6	57·3
4.	Harrogate	1	27	51·3	51·9
	Sheffield	1	28	52·2	53·7
	— — ..				
	Birmingham	1	23	51·0	52·6
	Nottingham	1	30	52·2	55·5
	— — ..				
5.	Kew	0	35	54·0	56·0
	Canterbury	0	32	55·5	57·5
	Portsmouth	0	38	56·0	58·3
	Wisley	0	34	54·2	56·6
6.	Glasgow	1	30	—	—
	Dumfries	1	30	—	—
	Rothesay	—	—	—	52·5
	Douglas	0	33	—	—
7.	Newton Rigg ..	2	29	51·9	52·9
	Southport	2	27	52·6	55·7
	Manchester City ..	0	31	53·1	55·9
	Bettws-y-Coed ..	0	33	50·7	53·0
	— — ..				
8.	Llangammarch Wells	1	30	53·0	54·3
	— — ..	—	—	—	—
	Bath	—	—	55·9	58·8
	Plymouth	0	35	54·2	—
9.	Armagh	0	32	53·2	55·1
	Markree Castle ..	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	36	53·7	55·1
11.	Guernsey, Brooklyn	0	39	57·2	59·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	50	50·0
	Kirkwall	53	49	50·6
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	52	48	50·3
	Pennan Bay	52	50	50·9
	Aberdeen, Cove Bay ..	51	50	50·1
ENGLAND, N.E.	Burnmouth, Berwick ..	52	48	51·0
	Scarborough	54	48	50·3
ENGLAND, E.	Shipwash Lightship ..	60	57	58·9
	Margate	59	56	57·5
ENGLAND, S.E.	Eastbourne‡	60	57	58·6
SCOTLAND, W.	Lamlash	54	53	53·5
	Ballantrae	52	50	51·1
ENGLAND, N.W.	Port Erin	56	54	54·6
ENGLAND, S.W.	Newquay	57	55	55·8
	Plymouth‡	59	57	58·5
	Salcombe	58	57	57·8
IRELAND, N.W.	Sheephaven	56	52	55·3
	Ballyglass	58	49	54·5
IRELAND, S.W.	Cleggan	58	53	54·9
	Seafield	58	49	53·7
IRELAND, E.	Kingstown‡	57	55	55·8

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

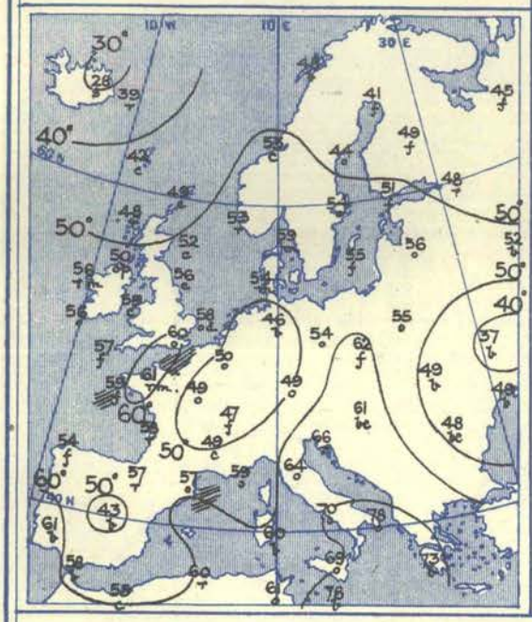
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

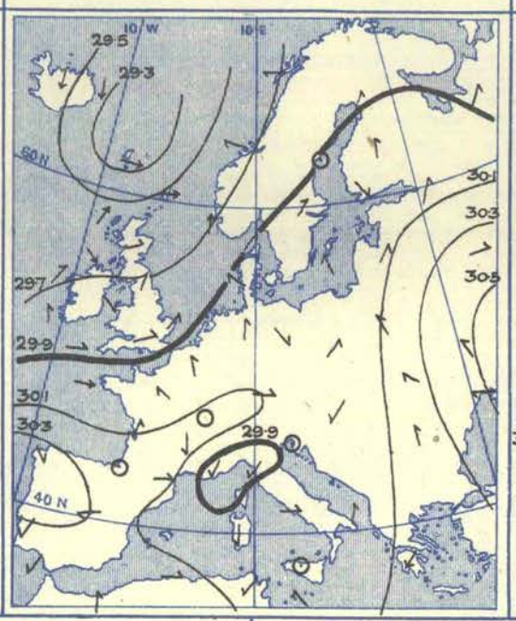
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 6th October, 1907.

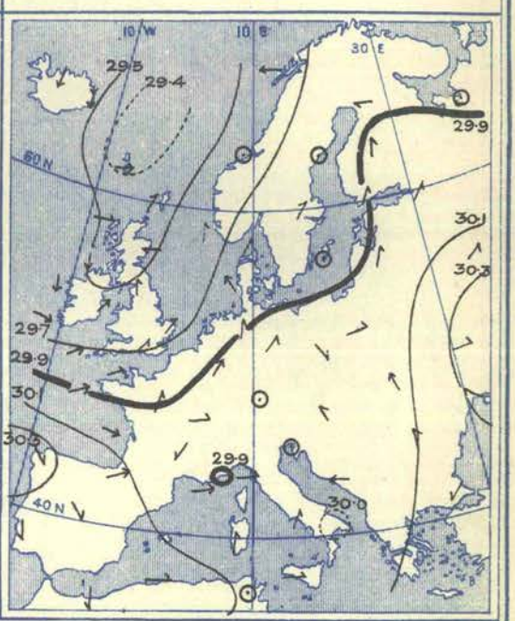
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally overcast, with rain in several places over these Islands and France, and in some Continental regions both further north and further south. Mostly fine and bright over the east and south of our area, but rainy at Algiers. Much rain and snow in Iceland. Rain falling during day in all parts of our Islands and also in most districts on the Continent; as much as 1·1 in. at Leith, 1·2 in. at Skudesnaes, more than an inch over a large part of Austria, and more than 2·4 ins. at Bordeaux.

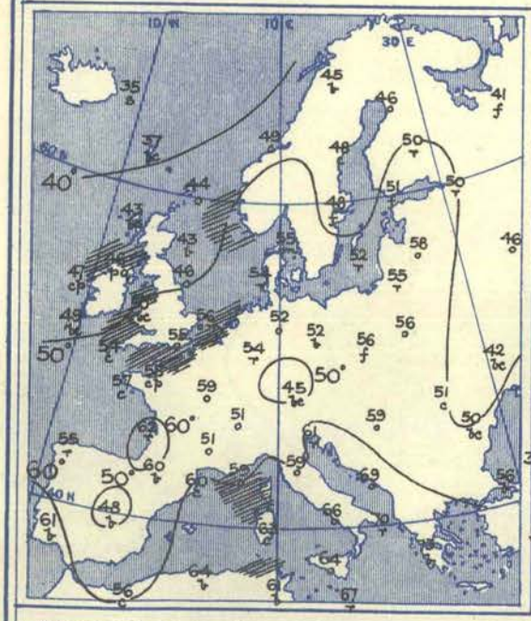
Temperature risen over England and in a few other regions, but changed irregularly or fallen as a whole. Readings in morning below 50° in the north of Scotland and also in various parts of the Continent; about 60° on our south-east coasts and rather above that value over most of the Mediterranean region. Highest readings 78° at Palermo and Brindisi. Maxima during day 87° at Malta and about 80° at a few other places in the extreme south. Thermometer remaining below 65° over much of France and central Europe, and failing to touch 60° at many of our own stations.

Wind in morning strong to high from the Northward in Iceland, moderate from the Westward on our northern coasts, and strong from the Southward in the south-west of Norway. A complete cyclonic circulation shown around northern Italy, and anticyclonic movements in the south-west and east of our area. Increasing to a gale from North at Seydisfjord by evening, and to a fresh breeze from that quarter on the north coast of Ireland.

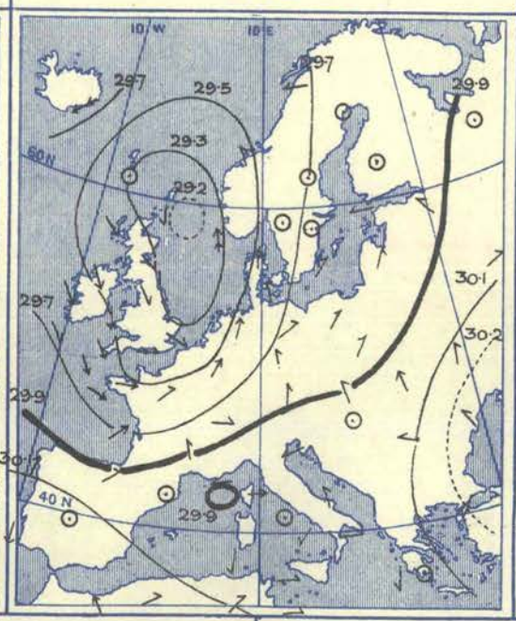
Barometer in morning above 30·5 ins. in the southern districts of Russia, and above 30·3 ins. over a considerable portion of the Spanish Peninsula. Below 29·9 ins. in a depression over northern Italy and the Gulf of Genoa, and below 29·3 ins. in another disturbance having its centre to the northward of Faeröe. Pressure increasing rather decidedly in Iceland during day, but falling over the United Kingdom. A well-marked secondary depression appearing over our north-western and northern districts by evening.

Monday, 7th October, 1907.

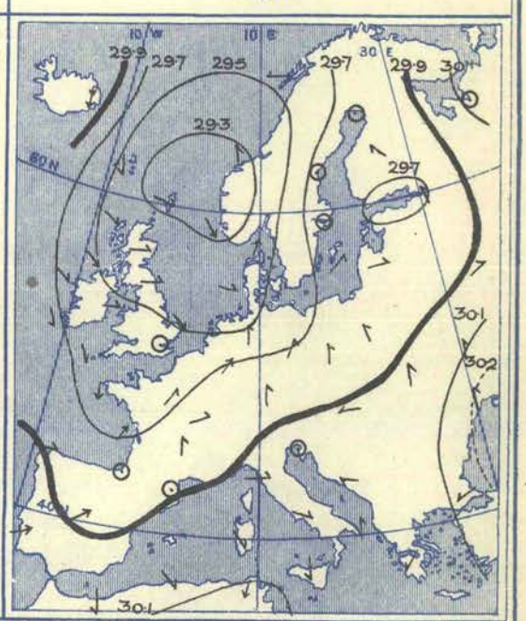
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of the Mediterranean region, but rainy at Brindisi. Cloudy or dull over our area as a whole, with rain in many places. A considerable quantity of rain falling later over the western and northern countries, but little or none in Austria and the south of Russia. Largest amounts more than an inch in the south-west of Norway and as much as 2·3 ins. at Riga. A thunderstorm occurring in some Welsh localities.

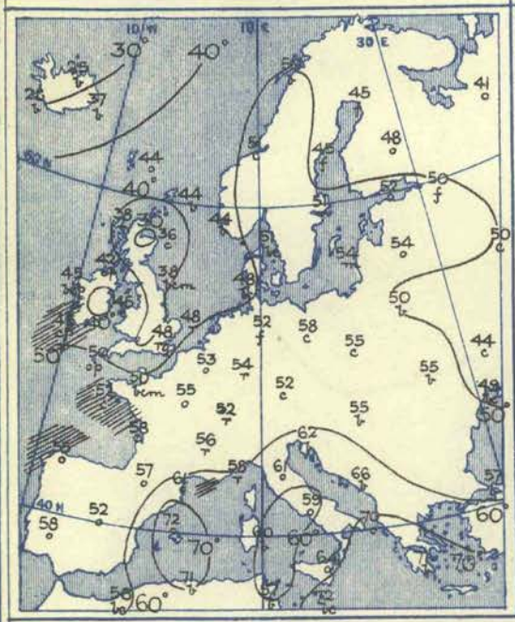
Temperature fallen very generally, quickly in the north of our Islands. Readings in morning below 40° at Nairn, over the Icelandic region, and in the south of Russia, but above 50° over the major portion of our area, and above 60° in the south; highest reading 78° at Patras. Rising subsequently to 81° in Greece, 82° at Brindisi, and to nearly 80° at some other stations in the extreme south. Maxima below 60° in most parts of this country, and not much above it in Germany. Sharp frost during night in Scotland and the northern parts of central England.

Wind in morning showing an extensive cyclonic circulation round these Islands and their vicinity, and a separate movement over the Gulf of Genoa. Moderate to fresh or strong at many of our own stations, and blowing a whole gale from the North-Eastward at Seydisfjord. No change of much importance occurring during day.

Barometer in morning above 30·3 ins. in the south of Russia, and above 30·1 ins. in the far south of our area. Below 29·9 ins. in a small minimum over the Gulf of Genoa, and below 29·2 ins. in a large depression having its minimum between Shetland and Norway. Latter system undergoing considerable modification in form during day, and some small irregularities in pressure appearing over our Islands and France. A depression of little depth forming over the Gulf of Bothnia. Pressure increasing decidedly over Iceland.

Tuesday, 8th October, 1907.

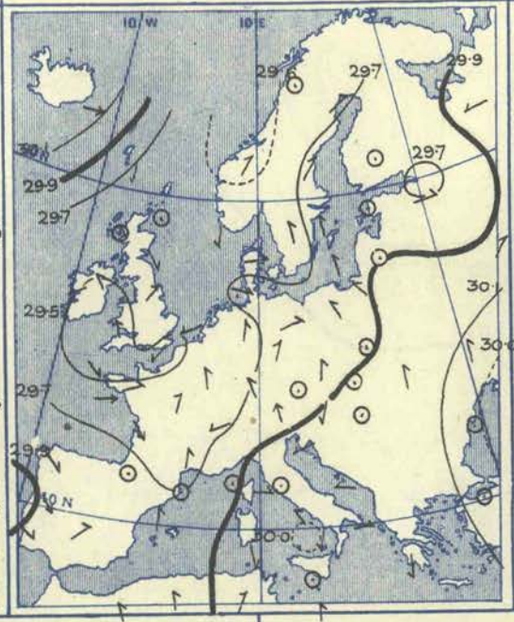
Temperature and Weather. 8 a.m.



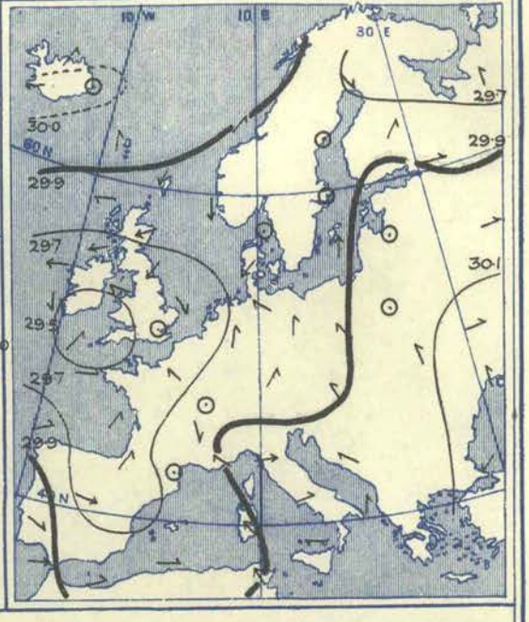
Weather in morning varying a good deal over these Islands and the western countries of the Continent, but dull in most places, and rainy over a large part of the area. Mostly fine and bright over southern and eastern Europe, as well as in Iceland. Very heavy rain falling later in the south of France, with thunderstorms in places. As much as 3·5 ins. at Biarritz, 2·0 ins. at Gap, 1·9 in. at Perpignan, 1·7 in. at Lyons, and 1·6 in. at Besançon. Considerable or heavy rain experienced on our north-east coasts and at some southern stations, as much as an inch at Portland Bill.

Temperature fallen in most regions, very decidedly over our northern and central districts. Readings in morning only 32° at Nottingham and 28° at Nairn; above 50° in most parts of the Continent, and above 60° in the south. Highest readings 72° at Barcelona and Malta. Rising during day to 86° at Sfax and to between 70° and 80° in the south as a whole, but remaining below 65° over Germany, and below 60° in nearly all parts of this country, and also at several French stations. Maximum only 52° in London.

Barometer and Wind. 8 a.m.



6 p.m.

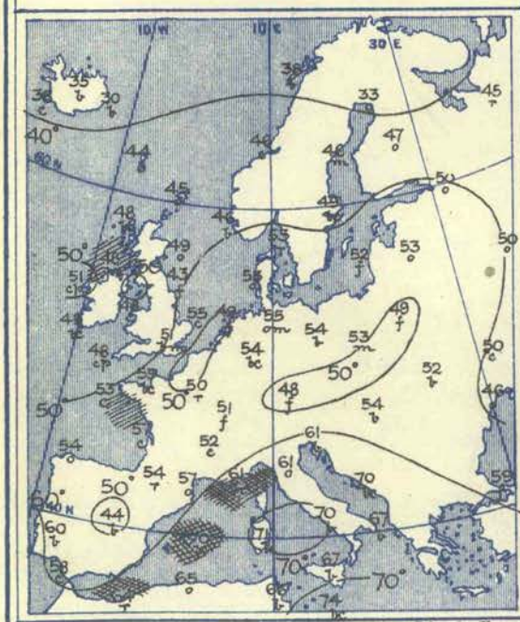


Wind in morning cyclonic very generally except in the south-east of our area. Scarcely any force stronger than a moderate breeze reported in any part of Europe. Some increase in force taking place later in day on our north-west coasts, and also in various parts of the Mediterranean region.

Barometer in morning above 30·2 ins. over the south of Russia, and not much lower over Iceland. Below 29·6 ins. in a depression over the west of Norway, and less than 29·5 ins. in an irregularly shaped system covering Ireland, the Channel, and a considerable portion of England. Below 29·7 ins. in a small minimum near St. Petersburg. Pressure decreasing during day in Iceland and increasing briskly in northern Scotland. Not much change in the general distribution of pressure; disturbance over these Islands becoming somewhat modified in form.

Wednesday, 9th October, 1907.

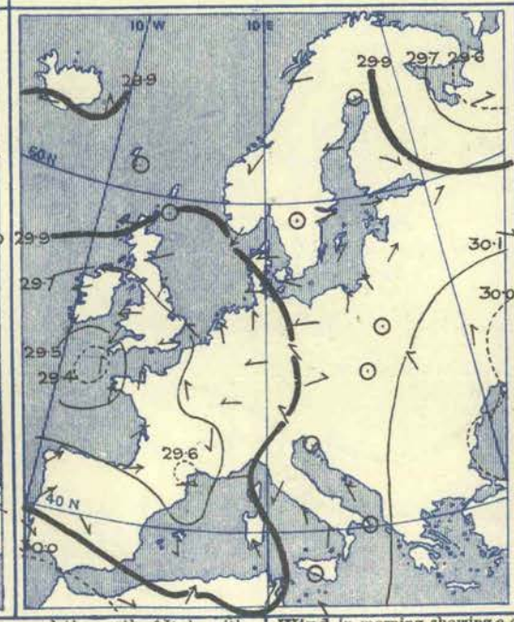
Temperature and Weather. 8 a.m.



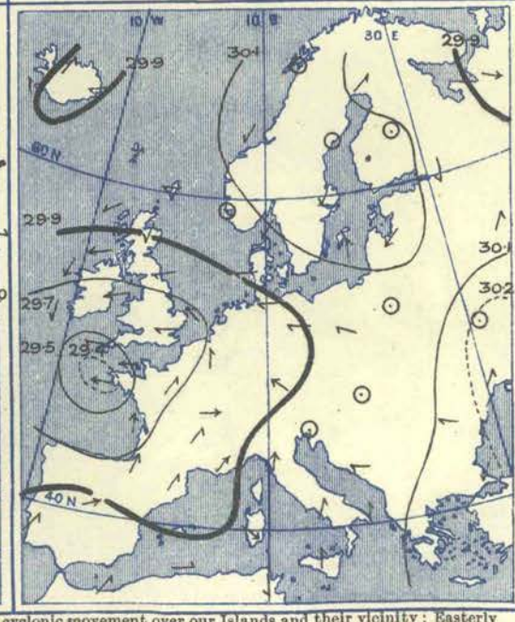
Weather in morning very unsettled over our Islands, France, and the north of Italy, with rain in several places. Fair or fine in most other regions, but rainy at Nemours, and also in a few localities in the far north-east of our area. More than 1·5 in. of rain falling later at Lyons and Mont Aigoual, nearly as much at Leghorn, and 2·0 ins. at Cherbourg. Rain very general over France and the United Kingdom; more than 0·5 in. at several of our own stations, and an inch at Aberdeen. Thunderstorms occurring in Ireland and at Clermont, and thunder at Lyons.

Temperature risen over the United Kingdom, quickly in the north. Changed little or fallen somewhat in most other regions. Readings in morning ranging from 74° at Malta and above 65° in the south generally, to below 50° in many parts of central Europe and these Islands, and to less than 40° in the north of Scandinavia and also in Iceland. Maxima during day 82° at Tunis and Sfax, and nearly as high as 80° at some other stations in the extreme south. Thermometer remaining below 60° over most of this country and in a large portion of France.

Barometer and Wind. 8 a.m.



6 p.m.

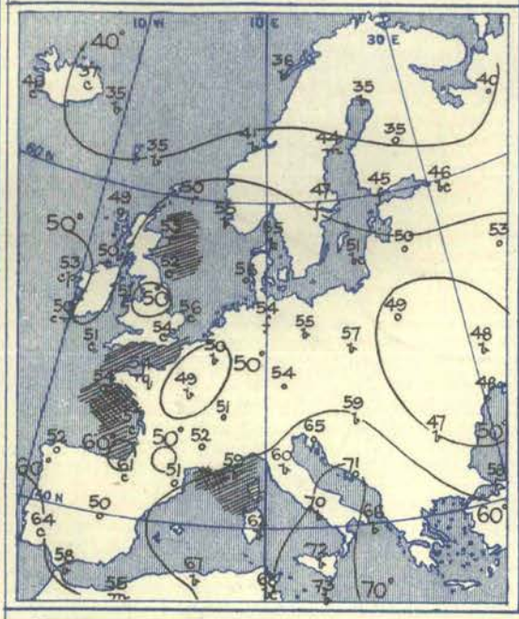


Wind in morning showing a cyclonic movement over our Islands and their vicinity; Easterly current fresh or strong on many parts of our north and north-west coasts, and high at Malin Head. A less extensive cyclonic circulation prevailing over the south of France and the adjacent parts of Spain and the Mediterranean. Increasing to a gale from the South-Eastward during night over the western part of the English Channel and from the South-Westward at Lorient. Some increase in force taking place over parts of the Mediterranean region.

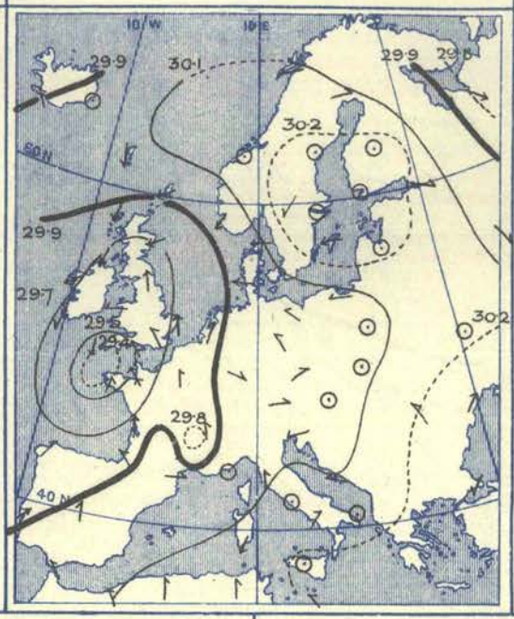
Barometer in morning highest, 30·2 ins. and above, over the Black Sea and the south of Russia, and lowest, 29·4 ins. and less, in a depression centred to the westward of Scilly. Relatively low in other disturbances near Perpignan and over the extreme north of Russia. South-western depression moving southwards during day, but travelling northwards again during night and increasing somewhat in depth. Pressure increasing over Scandinavia and the northern portion of these Islands.

Thursday, 10th October, 1907.

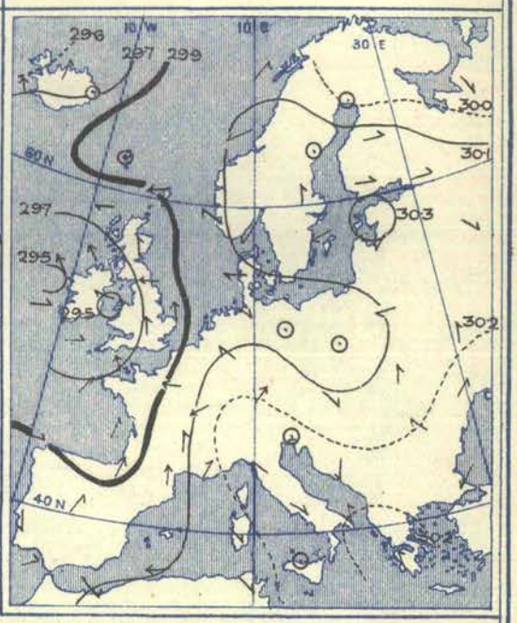
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over these Islands and Brittany, with rain in many localities. Fine in most other regions, but rain falling at Sfax. Rain later over nearly the whole of the United Kingdom and the west and north of France, and also in a few parts of central Europe. More than half an inch in various parts of this country and the south-west of France. Thunderstorms experienced in many English and Welsh districts.

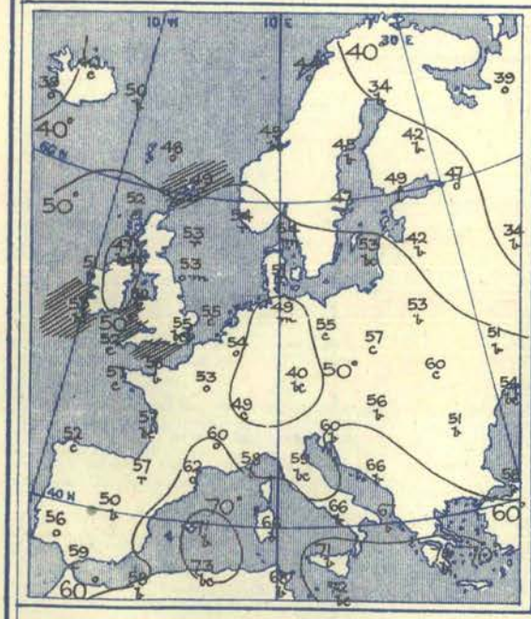
Temperature changed rather irregularly. Readings in morning a little above 70° at some stations in the extreme south, but below 60° over the Continent generally, and below 50° in many places. Thermometer below 40° in the far north of our area, and as low as 31° at Uleaborg. Maxima during day only about 60° over these Islands and the adjacent portion of the Continent, but about 70° in several parts of central Europe, and not far below 80° at some stations in the extreme south. Highest reading reported 86° at Athens.

Wind in morning blowing a gale from South-West at Lorient and from South-East at Jersey and Portland Bill; strong Southerly breezes prevailing on our south-east coasts, and fresh to strong Easterly breezes on our north and north-west coasts. Light anticyclonic airs general over the east and north-east of Europe. Wind continuing strong or high, and in some places blowing a gale from South or South-East during day on our south and south-west coasts, but subsiding in most localities by night.

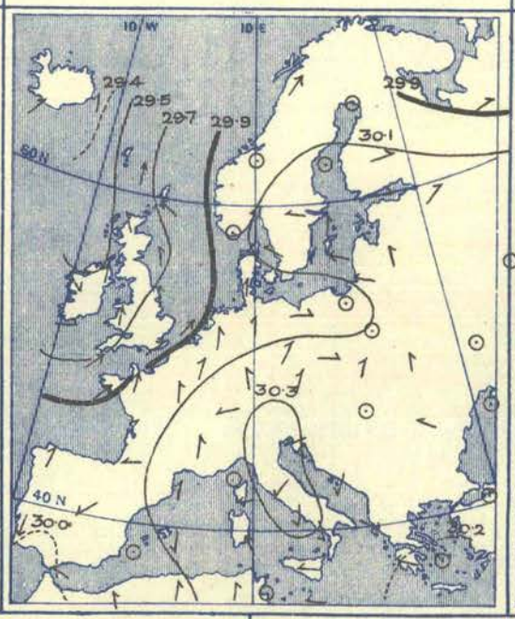
Barometer in morning ranging from above 30·2 ins. in a high pressure system having its maximum over the Gulf of Bothnia to less than 29·4 ins. in a depression centred at the mouth of the English Channel. Latter system moving rather slowly northwards during day and apparently becoming somewhat less deep. Barometer falling briskly in Iceland, and rather decidedly in the west of Scotland, rising over the south and east of Great Britain and also over France and Germany. High pressure system maintaining its position with very little modification.

Friday, 11th October, 1907.

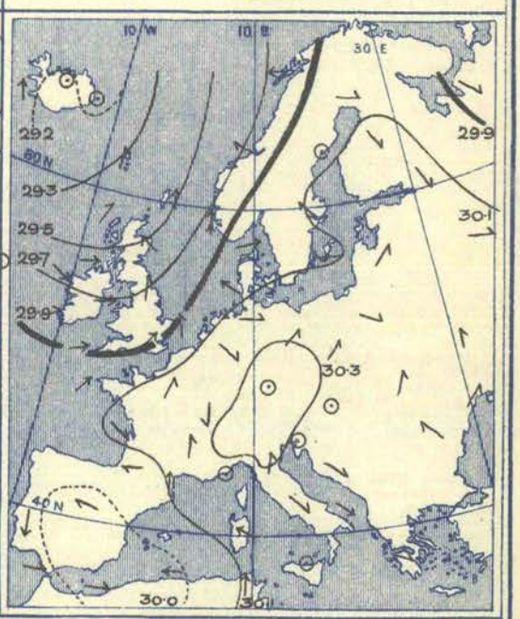
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in most parts of southern Europe, as well as in the greater part of Russia and Scandinavia. Unsettled over our Islands and the west and north of France, with rain or passing showers in many places. More or less rain falling later over nearly the whole of the United Kingdom and in several parts of France, as well as in Norway. Largest measurements 0·6 in. at Castlebay and 0·8 in. at Biarritz.

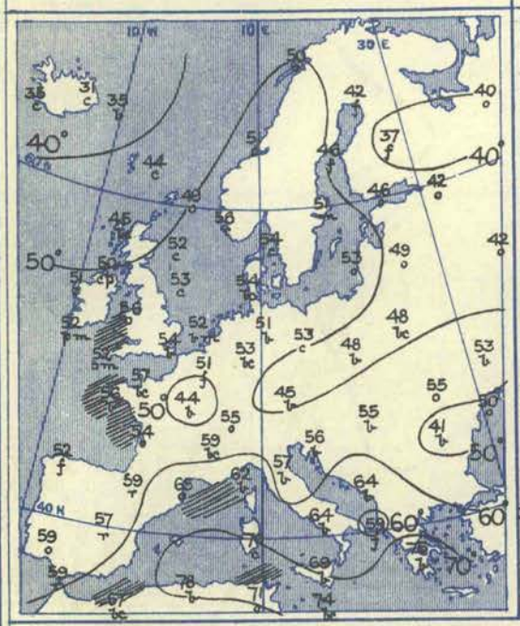
Temperature changed very irregularly. Readings in morning above 60° over the Mediterranean region generally, and above 70° in a few localities. Below 50° in various parts of the Continent and over central and northern Ireland, and less than 40° in the north-east of our area. Rising later to 91° at Algiers, 86° at Tunis and Patras, and to between 75° and 80° at several other southern stations. Maxima only about 60° over England, but some degrees above that point in Germany and Austria.

Wind in morning fresh to high from the Southward on our western and southern coasts generally, but moderate from the North-Westward in the west and south of Ireland. A vast anticyclonic movement prevailing over the major portion of the Continent. Veering somewhat during day on our western coast, but little change occurring as a whole.

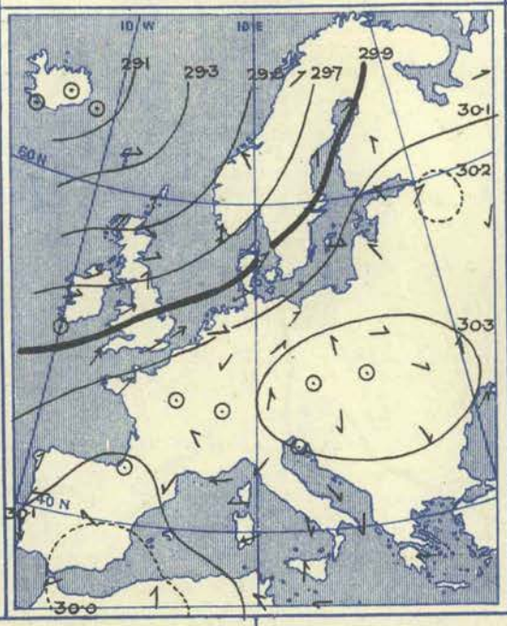
Barometer in morning above 30·3 ins. in the central part of an anticyclone situated over Italy and its vicinity, and above 30·2 ins. over the east and south-east of our area as a whole. Below 29·9 ins. over the White Sea, and less than 29·4 ins. over Iceland and its neighbourhood. Several irregularities of pressure shown over these Islands. Barometer falling during day in Iceland and Scotland and rising rather briskly in Ireland. Little modification taking place in the general distribution of pressure.

Saturday, 12th October, 1907.

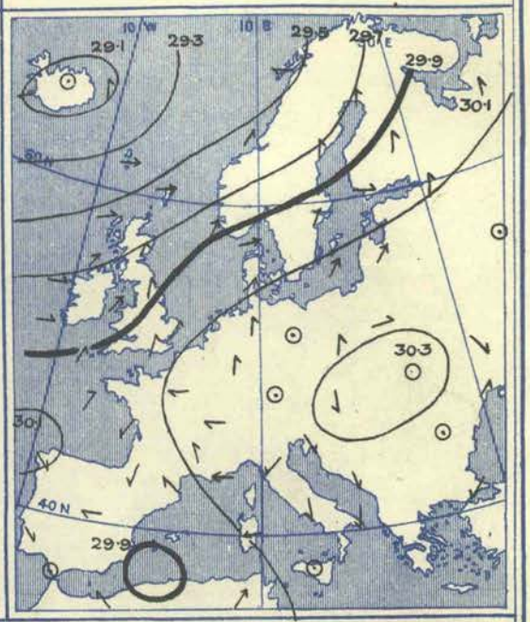
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most regions, but cloudy or dull in places, with rain at some of our own western stations, and also in Spain and the south-west of France, and on the south-west coast of Norway. Very heavy rain later in France, and a considerable quantity in the west and north of our Islands and in the Spanish Peninsula, Scandinavia, and Finland. More than 2·0 ins. in several parts of France and 3·7 ins. at Biarritz.

Temperature risen over Scandinavia, fallen in Scotland and Iceland, changed irregularly over our area generally. Readings in morning 78° at Algiers and above 70° at some other places in the extreme south. Below 50° in many parts of France, central, and northern Europe, and less than 40° in northern Finland and over Iceland. Thermometer rising to 93° at Algiers during day, and to above 80° at some other southern stations. Maxima of about 70° common in France and central Europe, but scarcely any readings above 61° experienced over these Islands.

Wind in morning moderate to fresh or strong from the South-Westward over our western and southern coasts, and high at Holyhead; drawing into South on the eastern side of the North Sea, and blowing a gale at Skudesnaes. An anticyclonic movement prevailing over the central countries, and mainly light breezes from between East and North over the Mediterranean. Very little change in direction during day; gale at Skudesnaes subsiding.

Barometer in morning ranging from 30·3 ins. in a high pressure system having its maximum over central Europe, to less than 29·1 ins. in a depression over Iceland and its neighbourhood. Relatively low in a large shallow system over the south of Spain and the adjacent portion of the Mediterranean and Africa. No change in the general situation occurring during day. Barometer falling over France and the Peninsula, and also in most parts of England and Ireland. A small secondary disturbance appearing over the south of Ireland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,500 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. October 6th, 10.40 a.m. to 11.45 a.m.	Brighton, 380 ft.	Temperature F.	59°	56°						One kite, 77 sq. ft.; 3,300 ft. wire. Thick sea fog, kite not seen. * Direction of wire, SW by W.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	WSW, 10	*SW, 20						
October 7th, 9.34 a.m. to 10.37 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	53°	47°	40°					One kite, 66 sq. ft.; 5,800 ft. wire. Max. height, 3,800 ft. Upper clouds not reached. Lower clouds under 2,000 ft.
		Humidity	90%	100%	90%					
		Wind Velocity, m. per hr.	NW, 10	NW by N, 30	NW, 27					
October 9th, 10.30 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	54°	49°	42°					One kite, 66 sq. ft.; 3,500 ft. wire. Clouds not reached, but they had the appearance of low clouds.
		Humidity	80%	85%	90%					
		Wind Velocity, m. per hr.	E, 13	ESE, 40	ESE, 35					
October 11th, 10.25 a.m. to 12.35 p.m.	Brighton, 380 ft.	Temperature F.	58°	51°	43°					Two kites, 80 sq. ft.; 8,050 ft. wire. Max. height, 4,000 ft. Temperature, 41°. Scattered cumulus at 2,000 ft.
		Humidity	80%	95%	50%					
		Wind Velocity, m. per hr.	SSW, †25	SW by S, 35	SW by S, 40					
October 12th, 10.19 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	51°	[43°]					One kite, 66 sq. ft.; 2,500 ft. wire. Max. height, 2,600 ft. Sunny morning, overcast by 11 a.m.
		Humidity	80%	90%	[100%]					
		Wind Velocity, m. per hr.	SSW, 14	SW by S, 40	[SW, 45]					
October 12th, 1.42 p.m. to 3.50 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	53°	51°	46°	40°	38°			One kite, 77 sq. ft. Max. wire, 8,000 ft. Overcast, some rain.
		Humidity	90%	95%	95%	100%	84%			
		Wind Velocity, m. per hr.	SSW, —	SW, 34	W by S, 40	W by S, 38	WSW, 36			
October 12th, 4.55 p.m. to 6.50 p.m.	Brighton, 380 ft.	Temperature F.	54°	49°						One kite, 74 sq. ft.; 4,200 ft. wire. Wind failed. Cumulus not reached. Lightning in NNW.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	SW by S, 8	SW, 20						

† Estimated.

Correction:—

The registering balloon at Pyrton Hill, entered to Oct. 4th in last week's report, was sent up on Oct. 2nd.

63, Victoria Street, London, S.W. *October 16th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 42. FORTY-SECOND WEEK, ENDING SATURDAY, OCTOBER 19TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was again wet and unsettled, especially over England and the southern half of Scotland. Thunderstorms were experienced in many parts of the Kingdom, mostly in Scotland early in the week, and over England and Wales towards its close.

Temperature was above the mean over the major portion of England, as much as 3°·8 in England E., but below it in Ireland, Scotland, and the south-west of England. The highest of the maxima, which were registered on Saturday, ranged from 64° in England S. and 63° in England E. to slightly below 60° in Ireland. The lowest of the minima occurred about the middle of the week. In Ireland N. the thermometer fell to 25°, in England S.W. to 26°, and in the Midland Counties and Scotland N. to 27°. Frost was recorded by the screened thermometer in all districts except England N.E., England S., and the English Channel. On the surface of the grass the thermometer fell to 18° at Crathes, and 22° at Llangammarch Wells.

Mean Temperature of the Sea showed a general decrease, the figures at most stations being at least a degree lower than during the preceding week, and as much as 3° lower at Ballyglass and Cleggan. The values ranged from about 57° at Eastbourne and the Shipwash Lightship to about 49° at Lerwick, Kirkwall, and Cromarty.

Rainfall was more than the mean in all districts except Ireland N. and Scotland N. In nearly all parts of the Kingdom except Ireland S. the excess was very large. Several parts of the country recorded falls of much more than an inch within 24 hours, and some places more than 2 inches. Most of the heavy falls occurred either on Tuesday or Wednesday. Outside Lincoln (about 1½ miles from the centre of the city) as much as 3·50 ins. was recorded on Wednesday, and at Leith 2·61 ins. on Tuesday, while over a large area of Great Britain measurements of between 1 and 2 inches were registered. The largest aggregates for the week were 4·92 ins. at Bournemouth and 4·62 ins. at Portland Bill.

Bright Sunshine was below the average in most parts of Great Britain. The percentage of the possible duration ranged from 40 in the English Channel and 37 in Ireland N. to 23 in England E. and Scotland W. and to 22 in England S.

Barometer and Wind.—The general level of the barometer was low and the distribution of pressure cyclonic. Several well-marked disturbances were observed over these Islands or their immediate neighbourhood, but the most important was one that moved slowly northwards from the Bay of Biscay to the English Channel on the 16th, and a very large and deep disturbance that appeared suddenly off the west of Ireland by Friday morning. Both these depressions brought gales or very strong winds, but the latter caused the more intense and widespread atmospheric movement.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate
	Rainfall ...	Moderate	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Heavy	Moderate	Moderate	Very heavy
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 7 weeks from Sept. 1st.	Warmth ...	4 * 1	3 * 1	6 * 1	5 * 0	4 * 1	5 * 0	4 * 1	4 * 1	4 * 0	4 * 1	4 * 2	5 * 0
	Rainfall ...	1 * 4	3 * 4	2 * 4	2 * 3	3 * 4	2 * 3	2 * 4	2 * 4	3 * 3	1 * 3	2 * 2	3 * 2
	Sunshine ...	3 * 0	3 * 0	3 * 0	3 * 2	3 * 1	3 * 3	1 * 1	2 * 0	2 * 2	1 * 4	1 * 5	1 * 1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 0	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	5 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 0	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

6530 370 Wy. & S. Ltd. 10—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (42nd)—October 13th to 19th, 1907.

DISTRICTS. (See p. 331.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	61	27	51·1	38·8	44·8	− 0·7	33	− 1	9	0	7	+ 2	1·01	−0·02	18	+ 1	26	+ 1
Eastern																		
1. SCOTLAND, EAST	60	30	52·4	39·2	45·6	− 0·1	37	0	8	−2	5	+ 1	2·40	+1·71	18	− 1	26	− 2
2. ENGLAND, N.E.	62	33	55·6	43·4	49·3	+ 1·8	51	+ 8	0	−5	6	+ 2	1·94	+1·20	22	+ 3	30	+ 3
3. ENGLAND, EAST	63	32	57·7	46·3	52·1	+ 3·8	71	+ 20	0	−6	6	+ 2	0·94	+0·25	17	− 7	23	− 9
4. MIDLAND COUNTIES	61	27	55·3	42·8	48·8	+ 1·6	48	+ 2	0	−8	6	+ 2	2·02	+1·36	19	− 2	26	− 2
5. ENGLAND, SOUTH	64	34	57·2	47·1	52·0	+ 2·3	70	+ 12	0	−4	7	+ 4	2·50	+1·77	16	− 8	22	−10
Western																		
6. SCOTLAND, WEST	60	30	52·2	41·1	46·5	− 0·5	35	− 7	3	−3	6	+ 2	2·70	+1·67	17	− 2	23	− 3
7. ENGLAND, N.W.	62	31	53·7	43·3	48·3	0·0	44	− 4	0	−4	7	+ 4	1·81	+0·95	20	+ 1	27	+ 1
8. ENGLAND, S.W.	62	26	55·1	44·5	49·6	− 0·1	53	− 5	0	−3	7	+ 3	2·17	+1·16	22	− 2	30	− 3
9. IRELAND, NORTH	58	25	52·3	40·6	46·3	− 1·2	36	− 9	4	−1	5	+ 1	0·66	−0·15	27	+ 6	37	+ 9
10. IRELAND, SOUTH	59	28	53·4	40·1	46·5	− 2·4	39	− 15	5	+1	6	+ 2	1·08	+0·20	25	+ 3	35	+ 4
11. ENGLISH CHANNEL	64	46	58·5	49·2	53·7	+ 0·5	82	+ 4	0	0	7	+ 2	2·54	+1·62	29	+ 2	40	+ 2

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 7 Weeks, September 1st to October 19th, 1907.

0. SCOTLAND, NORTH	87	26	*	*	*	*	431	+ 43	15	0	35	+ 1	4·66	−2·78	187	+ 35	32	+ 6
Eastern																		
1. SCOTLAND, EAST	78	26	*	*	*	*	452	+ 24	9	− 13	24	− 4	5·66	+1·48	228	+ 56	39	+10
2. ENGLAND, N.E.	79	28	*	*	*	*	571	+ 71	0	− 10	23	− 2	3·98	+0·24	238	+ 61	41	+11
3. ENGLAND, EAST	81	31	*	*	*	*	668	+ 97	0	− 13	22	− 2	2·87	−0·99	249	+ 34	43	+ 6
4. MIDLAND COUNTIES	77	27	*	*	*	*	581	+ 60	0	− 18	20	− 4	4·25	+0·41	216	+ 25	37	+ 4
5. ENGLAND, SOUTH	78	33	*	*	*	*	704	+ 76	0	− 8	25	+ 2	5·00	+0·75	239	+ 20	41	+ 3
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	516	+ 51	3	− 9	27	− 1	6·46	−0·70	179	+ 1	31	0
7. ENGLAND, N.W.	80	28	*	*	*	*	594	+ 65	0	− 6	23	− 3	4·31	−1·16	207	+ 25	36	+ 4
8. ENGLAND, SW	76	26	*	*	*	*	644	+ 53	0	− 5	25	− 2	6·13	+0·23	232	+ 12	40	+ 2
9. IRELAND, NORTH	74	25	*	*	*	*	554	+ 65	4	− 4	28	− 3	4·65	−0·91	146	− 22	25	− 4
10. IRELAND, SOUTH	77	28	*	*	*	*	635	+ 86	5	− 2	29	+ 2	5·37	+0·18	161	− 37	28	− 6
11. ENGLISH CHANNEL	81	44	*	*	*	*	814	+ 78	0	0	25	− 4	6·63	+1·59	268	+ 10	46	+ 2

THE YEAR.—Aggregates, &c., for the period of 42 Weeks, December 30th, 1906, to October 19th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1706	−178	537	− 21	216	+22	40·52	+4·12	1027	− 33	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1883	−325	608	− 2	168	+ 7	25·10	+2·41	1210	− 4	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2413	− 37	501	+ 16	151	+ 6	18·61	−0·59	1370	+164	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2740	− 91	518	− 16	141	+ 1	16·24	−2·85	1444	+ 1	38	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2559	−198	540	− 11	149	+10	21·08	+0·51	1283	− 6	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2843	−204	434	+ 45	139	+ 6	19·32	−1·04	1491	+ 28	39	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2225	−126	407	− 15	180	+12	39·63	+3·25	1165	− 95	30	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2421	−175	418	+ 26	174	+20	27·69	+1·02	1260	− 22	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2627	−256	396	+ 90	170	+18	29·13	+0·55	1386	−120	36	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2287	−189	296	− 57	199	+16	31·99	+2·55	1096	− 63	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2760	− 75	261	− 5	192	+30	27·57	−2·82	1198	−108	31	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3193	−129	96	− 13	149	−13	21·38	−2·34	1602	−132	42	− 4

October 13-19, 1907.		Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.	Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	53	33	49·9	41·7	45·7	− 0·1	27	1	7	1·68	+ 0·70	19·4	+ 1·0	28	+ 1
	Stornoway	57	32	50·0	39·0	44·3	− 1·5	29	8	7	0·88	− 0·40	22·4	+ 3·5	32	+ 5
0. SCOTLAND, N. — Mainland.	Wick	58	32	52·0	39·1	45·4	− 0·8	36	8	6	1·51	+ 0·78	*	*	*	*
	†Lairg (Strathpeffer)	61	27	55·0	35·3	44·9	+ 0·7	48	19	7	0·30	− 0·59	14·0	− 6·0	20	− 9
	Glencarron	57	31	49·3	37·4	43·2	− 1·8	28	13	7	0·72	− 1·41	*	*	*	*
	Fort Augustus	60	28	51·0	39·1	44·9	− 1·5	32	8	6	0·75	− 0·21	16·5	+ 2·6	23	+ 4
	Fort William (West Linton)	56	32	50·8	40·2	45·3	− 1·9	31	5	7	1·23	− 0·51	*	*	*	*
1. SCOTLAND, E.	Nairn	60	30	52·6	36·9	44·5	− 1·4	39	14	4	2·01	+ 1·45	15·2	—	21	—
	Aberdeen	57	33	53·4	42·1	47·6	+ 0·9	39	0	5	2·29	+ 1·63	24·0	—	34	—
	†Balmoral (Crathes)	60	30	55·0	36·3	45·4	+ 2·6	48	16	6	2·89	+ 2·01	21·7	− 0·6	31	− 1
	†Crieff (Balruddery)	55	32	50·0	38·6	44·1	− 2·0	29	10	5	1·98	+ 1·05	18·0	—	25	—
	†Leith (Edinburgh)	58	37	52·4	42·0	47·1	− 0·9	36	0	5	1·98	+ 1·05	15·6	—	22	—
	Marchmont (Saltburn)	57	35	51·1	39·5	45·1	− 0·6	32	7	5	1·70	+ 0·88	17·9	− 0·4	25	− 1
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	60	37	53·9	42·4	48·0	+ 1·1	42	0	5	1·81	+ 1·01	11·1	− 8·3	15	− 12
	†Shields (Newcastle)	61	36	54·9	42·4	48·5	+ 0·9	46	0	6	1·30	+ 0·65	25·0	—	35	—
	Durham	60	34	54·0	41·2	47·4	+ 0·7	41	2	7	2·09	+ 1·35	11·2	− 4·8	16	− 7
	Scarborough	61	37	56·4	44·8	50·4	+ 2·0	59	0	7	1·45	+ 0·72	20·2	+ 0·2	28	0
	York	62	33	56·2	42·7	49·3	+ 1·6	51	0	7	1·62	+ 1·00	17·8	—	25	—
2. ENGLAND, N.E. — Southern part.	Spurn Head	60	42	55·9	47·7	51·7	+ 2·1	68	0	7	1·65	+ 1·14	16·9	− 2·3	23	− 3
	†Lincoln (Skegness)	62	33	57·0	42·8	49·7	+ 1·8	54	0	6	3·78	+ 3·23	*	*	*	*
	†Fulbeck (Rauceby)	61	35	56·2	43·4	49·6	+ 2·4	53	0	6	1·85	+ 1·31	24·5	—	34	—
3. ENGLAND, E. — Northern part.	Hillington	61	34	57·2	43·1	49·9	+ 1·4	55	0	6	0·85	+ 0·20	24·5	—	34	—
	†Yarmouth (Lowestoft)	60	43	57·7	49·1	53·3	+ 4·0	79	0	7	0·75	+ 0·09	17·4	− 4·4	24	− 6
	Geldeston (Cromer)	63	33	59·3	45·3	52·1	+ 2·9	71	0	6	0·96	+ 0·36	15·9	—	22	—
3. ENGLAND, E. — Southern part.	Cambridge	61	32	56·9	42·8	49·6	+ 0·9	53	0	6	0·96	+ 0·43	16·4	− 8·1	23	− 11
	Felixstowe	62	41	58·2	49·4	53·7	+ 4·9	82	0	5	0·64	—	18·0	—	25	—
	Clacton-on-Sea	62	45	58·6	50·9	54·6	+ 3·7	88	0	6	0·43	—	16·9	—	23	—
	Rothamsted	59	33	55·2	43·0	48·9	+ 1·1	48	0	6	2·40	+ 1·71	12·5	—	17	—
	†Shoeburyness (Southend)	62	46	58·7	50·0	54·2	+ 3·4	85	0	6	0·50	− 0·01	18·3	− 5·9	25	− 8
	London, Westminster (Dunmow)	62	41	57·6	47·3	52·3	+ 3·3	72	0	5	0·95	+ 0·33	15·5	—	21	—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	58	32	53·4	41·2	47·1	+ 0·4	39	2	7	2·57	+ 1·82	13·0	− 2·6	18	− 4
	†Bawtry (Worksop)	—	—	—	—	—	—	—	—	6	2·05	+ 1·47	19·1	—	26	—
	Nottingham	61	27	56·9	41·1	48·3	+ 0·7	51	3	5	1·38	+ 0·79	12·4	—	17	—
	Birmingham, Edgbaston	60	36	56·1	43·2	49·5	+ 1·4	53	0	5	2·32	+ 1·68	18·9	+ 0·1	26	0
	Oxford	61	34	55·4	43·9	49·5	+ 0·8	53	0	6	2·29	+ 1·68	21·5	—	30	—
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	57	32	53·3	43·6	48·3	+ 1·6	44	0	5	1·48	+ 0·74	15·4	—	21	—
	Shrewsbury	61	29	55·9	41·6	48·5	− 0·6	47	1	4	1·63	—	22·2	− 0·6	30	− 1
	Hereford	61	29	55·5	42·3	48·7	+ 0·5	47	0	6	2·91	+ 2·28	17·2	—	24	—
	Cirencester	60	30	54·8	42·6	48·5	+ 1·2	46	0	7	1·99	+ 1·29	*	*	*	*
	Bath (Margate)	60	34	56·4	45·4	50·7	+ 1·9	61	0	7	1·61	+ 0·91	24·0	+ 1·3	33	+ 2
5. ENGLAND, S.	Kew	61	38	56·6	45·5	50·9	+ 2·0	62	0	7	1·94	+ 1·34	21·0	—	29	—
	Wisley, Surrey	61	36	56·9	44·9	50·7	+ 2·3	61	0	6	2·71	—	14·5	− 9·7	20	− 13
	†Swarraton (Ventnor)	61	34	54·8	43·2	48·8	+ 1·0	48	0	7	3·24	+ 2·44	16·2	—	22	—
	Tunbridge Wells	60	39	56·3	45·5	50·7	+ 2·0	61	0	6	1·78	+ 1·00	17·4	− 3·9	24	− 5
	†Dungeness (Littlestone)	63	45	59·0	51·4	55·1	+ 3·9	92	0	7	1·12	+ 0·38	13·7	− 13·8	19	− 19
	Hastings	63	44	58·5	48·8	53·5	+ 2·4	81	0	6	1·24	+ 0·41	17·1	—	23	—
	Southampton	64	41	57·9	46·6	52·1	+ 1·4	71	0	6	1·24	+ 0·41	15·5	− 11·5	21	− 16
	†Portland Bill (Worthing) (Eastbourne)	60	46	57·4	50·6	53·9	+ 1·3	83	0	7	3·38	+ 2·57	15·7	− 9·7	22	− 13
6. SCOTLAND, W.	Laudale	60	35	52·4	40·9	46·5	− 1·0	36	3	7	4·62	—	18·5	—	25	—
	Poltalloch	56	31	52·3	36·6	44·2	− 3·2	38	15	5	1·75	+ 0·02	14·3	− 11·9	19	− 16
	Glasgow	58	36	50·5	42·3	46·3	− 0·3	30	0	5	1·55	+ 0·32	*	*	*	*
	Rothesay	57	37	51·9	42·0	46·8	− 1·0	34	0	5	3·09	+ 2·27	*	*	*	*
	Dumfries	58	34	52·6	40·7	46·5	− 1·0	37	4	6	1·95	+ 0·87	13·4	− 2·3	19	− 3
	Cally	57	30	52·9	39·4	46·0	− 0·9	39	7	6	3·11	+ 2·19	*	*	*	*
	Douglas, Isle of Man	58	32	52·4	42·0	47·1	− 1·4	36	0	6	2·50	+ 1·38	*	*	*	*
7. ENGLAND, N.W.	Aspatria	58	36	51·9	42·6	47·1	+ 0·4	36	0	6	3·06	+ 1·99	19·8	− 3·4	28	− 5
	Newton Rigg	55	33	51·1	41·1	46·0	+ 0·1	32	3	7	2·52	+ 1·62	19·6	—	27	—
	Stonyhurst	58	32	53·1	42·4	47·6	+ 0·3	39	0	6	1·70	+ 0·81	16·5	− 2·5	23	− 4
	Blackpool	60	33	54·0	42·6	48·1	− 0·8	43	0	6	0·76	− 0·35	13·0	− 6·7	18	− 9
	Manchester, Prestwich	60	31	55·6	42·4	48·8	+ 1·1	48	0	7	0·85	− 0·05	21·9	+ 1·1	30	+ 2
	†Liverpool Obs. (Hoylake)	59	36	53·3	43·6	48·3	− 0·7	44	0	6	0·86	− 0·02	15·0	+ 0·5	21	+ 1
	†Hawarden Bridge (Southport)	62	33	55·7	43·6	49·5	+ 0·2	53	0	7	1·03	+ 0·23	21·5	—	30	—
NORTH WALES	Llandudno	60	38	55·7	46·2	50·8	+ 0·2	62	0	6	1·49	+ 0·74	19·2	− 0·4	26	− 1
	†Holyhead (Aberdovey)	57	39	53·1	44·9	48·9	− 1·8	48	0	7	1·89	+ 1·00	26·2	+ 6·6	36	+ 9
	Bettws-y-Coed (Aberystwyth)	58	33	53·6	43·3	48·3	− 2·2	44	0	7	4·12	+ 3·15	22·4	—	31	—
8. SOUTH WALES	Llangammarch Wells	57	26	54·0	38·9	46·2	− 3·4	42	9	7	2·90	—	20·7	—	28	—
	Pembroke	58	40	54·9	45·9	50·3	− 1·2	58	0	7	2·11	—	20·0	—	27	—
	Cardiff	62	31	56·7	43·3	49·8	+ 0·5	55	0	7	1·89	+ 0·99	19·2	—	26	—
8. ENGLAND S.W.	Clifton	59	39	55·0	45·6	50·2	+ 0·7	57	0	7	1·32	+ 0·25	25·7	+ 2·2	35	+ 3
	†Shaftesbury (Marlborough)	58	40	53·5	44·8	49·0	+ 0·5	49	0	7	1·51	+ 0·66	23·1	—	32	—
	†Arlington (Newquay)	59	34	54·1	43·4	48·6	− 0·2	46	0	7	2·97	+ 2·13	20·8	—	29	—
	Cullompton	60	34	55·7	44·0	49·7	+ 1·0	54	0	6	3·07	+ 1·65	17·1	− 4·5	23	− 6
	Plymouth	60	41	56·6	47·4	51·9	+ 0·6	69	0	7	2·35	+ 1·48	32·8	+ 7·6	44	+ 10
	Falmouth (Torquay)	59	42	55·0	47·2	51·0	− 0·8	63	0	7	2·08	+ 1·23	14·2	− 7·1	19	− 10
9. IRELAND, N. — Western part.	Malin Head	57	40	51·0	43·0	46·9	− 2·0	34	0	5	0·42	− 0·30	16·3	− 8·0	22	− 11
	Edenfel												23·2	− 3·0	31	− 4
	Blacksod Point	55	35	51·9	40·6	46·1	− 3·9	35	4	7	1·43	+ 0·27	16·6	− 8·4	22	− 12
	Markree Castle	58	25	53·8	36·4	44·8	− 2·4	43	16	6	0·62	− 0·34	*	*	*	*
9. IRELAND, N. — Eastern part.	Armagh	58	29	52·8	40·4	46·4	− 0·8	38	4	2	0·14	− 0·49	*	*	*	*
	Donaghadee	55	37	52·1	42·6	47·2	− 1·5	36	0	5	0·71	+ 0·05	31·9	+ 12·2	44	+ 17
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	58	34	52·9	43·3	48·0	− 1·5	42	0	6	0·60	− 0·05	21·9	+ 1·3	30	+ 2
	Kilkenny	57	28	53·0	38·1	45·3	− 3·1	39	11	4	0·65	− 0·05	*	*	*	*
	Waterford	58	29	53·1	38·6	45·6	− 3·4	39	10	5	1·34	+ 0·46	25·7	+ 1·3	35	+ 2
10. IRELAND, S. — Western part.	Birr Castle	59	29	52·4	36·6	44·3	− 3·2	39	15	5	0·74	+ 0·09	*	*	*	*
	Foynes	58	33	52·5	41·0	46·6	− 2·4	36	3	7	1·06	+ 0·22	21·4	− 0·7	29	− 1
	Killarney	58	31	54·9	39·6	47·0	− 3·1	45	7	6	1·57	+ 0·36	*	*	*	*
	Valencia	58	36	53·9	42·9	48·2	− 3·0	43	0	7	1·52	+ 0·28	*	*	*	*
	†Roches Point (Ballinacurra)	58	35	54·1	40·3	47·0	− 3·9	42	5	7	1·15	+ 0·21	30·8	+ 7·6	42	+ 10
11. ENGLISH CHANNEL	Scilly, St. Mary's	61	47	57·0	48·9	52·8	− 0·6	76	0	6	2·23	+ 1·40	23·8	—	33	—
	†Jersey, St. Aubins (St. Heliers)	64	46	59·9	48·3	53·9	+ 0·2	83	0	7	2·58	+ 1·57	35·5	+ 9·1	48	+ 12
	Guernsey	64	47	58·7	50·5	54·5	+ 0·9	88	0	7	2·82	+ 1·74	27·0	− 1·5	37	− 2
													25·4	− 0·3	34	0

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 18·0 hrs., 25 %; Brighton, 16·4 hrs. (− 10·6), 22 % (− 14 %); Bournemouth, 17·3 hrs., 23 %; Bognor, 17·3 hrs., 23 %; Rhyl, 26·7 hrs., 37 %; Tenby, 28·4 hrs. (+ 4·0), 39 % (+ 6 %).

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest readings.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	50·2
	Crathes	2	18	48·8	50·8
	Balmoral	4	25	—	—
	Marchmont ..	0	31	47·9	—
2.	Cockle Park	0	32	48·6	50·6
	York	—	—	51·9	53·5
	Hull	1	27	50·1	53·3
	Lincoln	—	—	51·3	53·9
3.	Lowestoft	0	35	53·1	55·5
	Cambridge	1	27	52·1	55·3
	Dunmow	0	31	—	—
	Clacton-on-Sea ..	0	31	54·8	56·5
			°	°	°
4.	Harrogate	1	26	49·6	50·7
	Sheffield	1	25	50·3	52·8
	— — ..				
	Birmingham	1	24	49·5	51·3
	Nottingham	1	26	51·1	53·9
	— — ..				
5.	Kew	0	31	51·7	54·9
	Canterbury	0	35	53·6	56·3
	Portsmouth	0	36	53·8	57·0
	Wisley	0	32	52·1	55·2
6.	Glasgow	2	30	—	—
	Dumfries	2	26	—	—
	Rothesay	—	—	—	51·3
	Douglas	1	28	—	—
			°	°	°
7.	Newton Rigg ..	1	28	50·3	51·9
	Southport	1	30	50·4	54·2
	Manchester City ..	1	29	51·2	55·0
	Bettws-y-Coed ..	0	32	49·0	51·9
	— — ..				
8.	Llangammarch Wells	2	22	51·0	53·5
	— — ..	—	—	—	—
	Bath	—	—	54·1	57·7
	Plymouth	0	35	53·0	—
9.	Armagh	1	26	50·0	53·7
	Markree Castle ..	4	20	—	—
10.	Dublin, Trin. Coll. ..	1	28	50·5	53·8
11.	Guernsey, Brooklyn	0	42	55·0	58·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	48	49·3
	Kirkwall	50	47	49·1
	Wick	[52]	[51]	[51·8]
SCOTLAND, E.	Cromarty	51	48	49·2
	Pennan Bay	52	48	50·2
	Aberdeen, Cove Bay ..	50	49	49·7
ENGLAND, N.E.	Burnmouth, Berwick ..	51	48	50·0
	Scarborough	51	45	49·7
ENGLAND, E.	Shipwash Lightship ..	59	53	57·3
	Margate	58	55	56·5
ENGLAND, S.E.	Eastbourne‡	58	56	57·1
SCOTLAND, W.	Lamlash	53	50	51·9
	Ballantrae	52	49	50·1
ENGLAND, N.W.	Port Erin	55	52	53·4
ENGLAND, S.W.	Newquay	56	54	55·2
	Plymouth‡	59	56	58·1
	Salcombe	58	55	56·1
IRELAND, N.W.	Sheephaven	55	53	53·6
	Ballyglass	54	47	51·2
IRELAND, S.W.	Cleggan	55	49	51·9
	Seafield	55	49	52·2
IRELAND, E.	Kingstown‡	[55]	[54]	[54·5]

‡ Only one observation each day.

Corrections and Additions for September, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

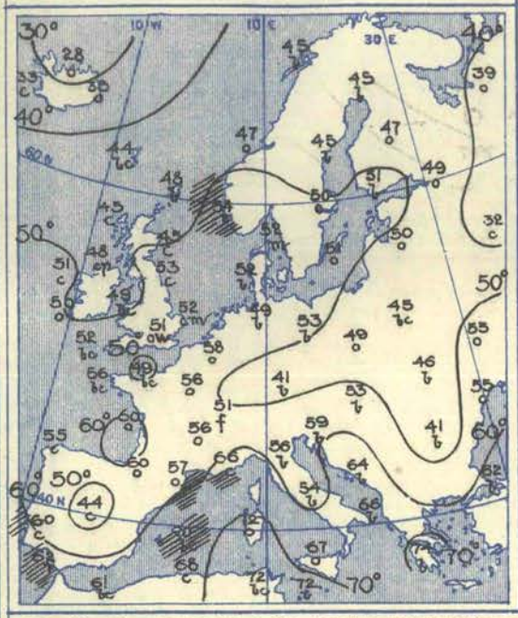
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 36, p. 282	10, Ireland, S.	—	—	—	—	—	—	—	—	—	—	—	26	- 7	28	- 8
No. 37, p. 290	9, Ireland, N.	—	—	—	—	—	—	—	—	—	0·22	- 0·39	—	—	—	—
No. 40, p. 314	3, England, E.	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																
No. 39, p. 307	Newquay	—	—	—	—	—	—	—	—	—	—	—	33·4	+ 1·1	40	+ 1
Station Values.—Corrections.																
No. 36, p. 283	Glencarron	—	—	54·3	—	47·8	-4·5	41	—	—	—	—	—	—	—	—
No. 36, p. 283	Hillington	—	—	64·5	—	55·9	-1·5	97	—	—	—	—	—	—	—	—
No. 36, p. 283	Bath	—	—	64·4	—	56·9	-1·2	104	—	—	—	—	—	—	—	—
No. 36, p. 283	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	26·5	- 4·1	29	- 4
No. 37, p. 291	Sumburgh Head ..	—	—	—	—	—	—	—	—	—	0·27	- 0·50	—	—	—	—
No. 37, p. 291	Scarborough	—	—	—	49·6	56·4	+1·0	101	—	—	—	—	—	—	—	—
No. 37, p. 291	York	—	—	—	—	—	—	—	—	—	—	—	49·9	+ 21·3	55	+ 24
No. 37, p. 291	Hillington	—	—	70·1	—	57·7	+1·3	110	—	—	—	—	—	—	—	—
No. 37, p. 291	Cheadle	—	—	—	48·3	56·4	+2·3	101	—	—	—	—	—	—	—	—
No. 37, p. 291	Manchester (Prestwich)	—	—	—	—	—	—	—	—	1	0·02	- 0·83	—	—	—	—
No. 37, p. 291	Blacksod Point ..	—	—	—	—	—	—	—	—	—	0·34	- 0·63	—	—	—	—
No. 38, p. 299	Wick	—	—	61·3	—	53·8	+2·5	83	—	—	—	—	42·3	—	49	—
No. 38, p. 299	Nairn	—	—	—	—	—	—	—	—	0	0·00	- 0·70	—	—	—	—
No. 38, p. 299	Holyhead	—	—	—	52·6	58·3	+2·1	114	—	—	—	—	—	—	—	—
No. 38, p. 299	Pembroke	—	—	—	—	—	—	67	4	—	—	—	—	—	—	—
No. 39, p. 307	Balmoral	—	—	—	—	—	—	—	—	—	—	—	50·6	—	61	—
No. 39, p. 307	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 40, p. 315	Balmoral	—	—	—	—	—	—	67	—	—	—	—	—	—	—	—
No. 40, p. 315	Hillington	64	—	61·2	—	54·9	+2·7	90	—	—	—	—	—	—	—	—

		Temp. on the Grass and in the Ground. Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values :—Additions.					
No. 36, p. 284	Bath	—	—	61·1	60·7
No. 37, p. 292	Sheffield	0	37	56·8	54·9
No. 37, p. 292	Llangammarch Wells	0	34	—	—
No. 37, p. 292	Guernsey, Brooklyn ..	—	—	—	61·1
No. 40 p. 316	Bath	—	—	58·5	59·7
Station Values :—Corrections.					
No. 37, p. 292	Hull	—	—	55·6	55·0

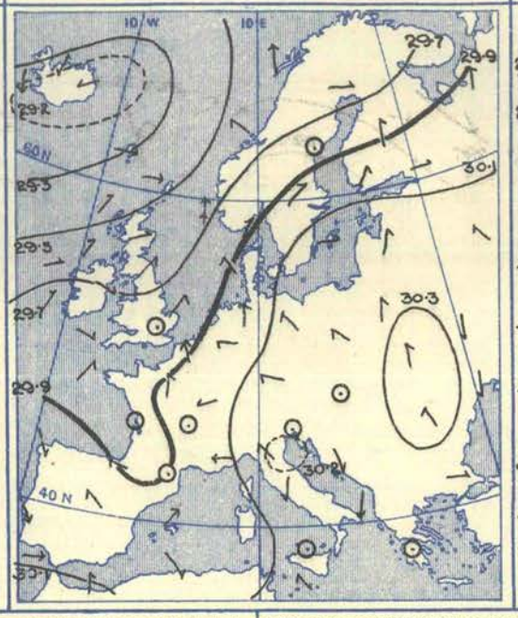
Addition :—Sea Temperature.		Highest.	Lowest.	Mean.
No. 39, p. 308	Kingstown	59	58	58·4

Sunday, 13th October, 1907.

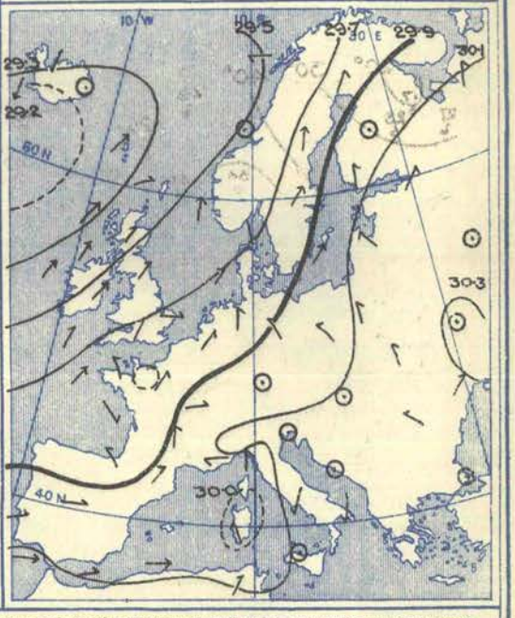
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but a good deal of cloud prevailing over our Islands and France, with rain at a few places. Rain experienced later over the United Kingdom, France, and southern Europe, as well as in Denmark, the Low Countries, and Scandinavia, and a thunderstorm occurring at Toulouse. Nearly an inch of rain falling at Holyhead, and more than an inch in several localities in the south of France and also at Cagliari.

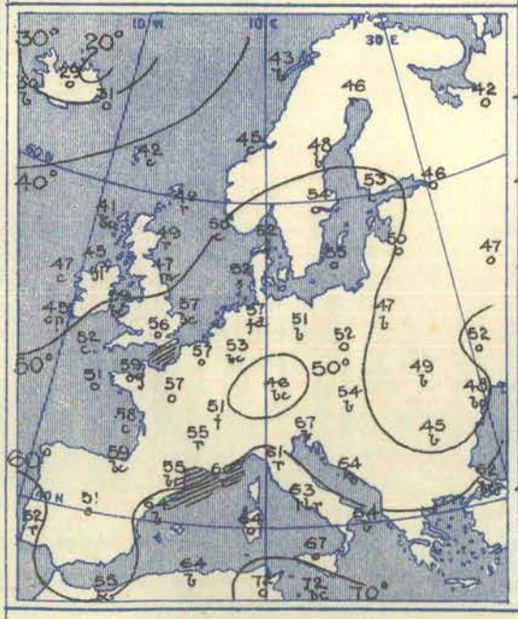
Temperature risen over France, fallen in almost all other regions. Readings in morning still above 70° at some stations in the far south, but only 54° at Rome and 44° at Madrid. Below 50° over the greater part of central and northern Europe, and also in the west and north of these Islands. Below 35° in central Russia and below 30° in northern Iceland. Thermometer rising to nearly 80° during day at some places in the Mediterranean region, but only touching 60° at Turin and 61° at Madrid. Maxima below 60° in many parts of these Islands.

Wind in morning light or moderate from the Westward or South-Westward over the United Kingdom, drawing into South on the eastern shores of the North Sea and blowing a gale at Skudesnaes. A cyclonic circulation of moderate to fresh winds prevailing in the north-west of our area, and a light anticyclonic movement in the south-east. Winds backing somewhat over this country during day and increasing slightly in force in the west.

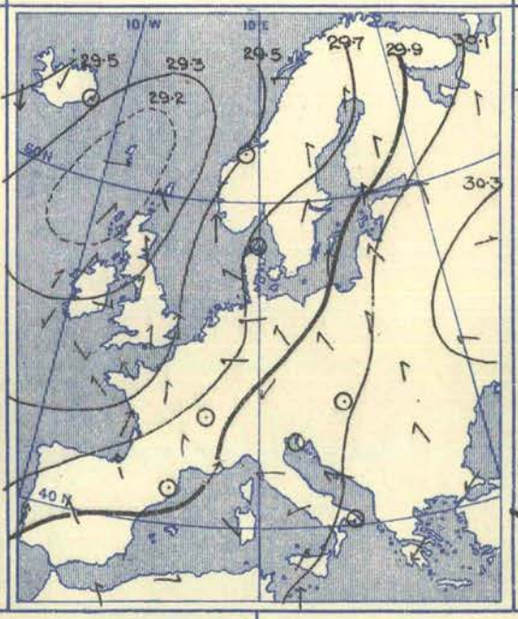
Barometer in morning ranging from above 30·3 ins. in a high pressure in the east of Europe, to less than 29·2 ins. in a depression between Iceland and Shetland. Some secondaries shown over our Islands and France. Little alteration taking place during day in the general distribution; northern disturbance moving rather more to the southward and pressure giving way rather decidedly on our western and northern coasts. A shallow depression appearing over Sardinia and Corsica.

Monday, 14th October, 1907.

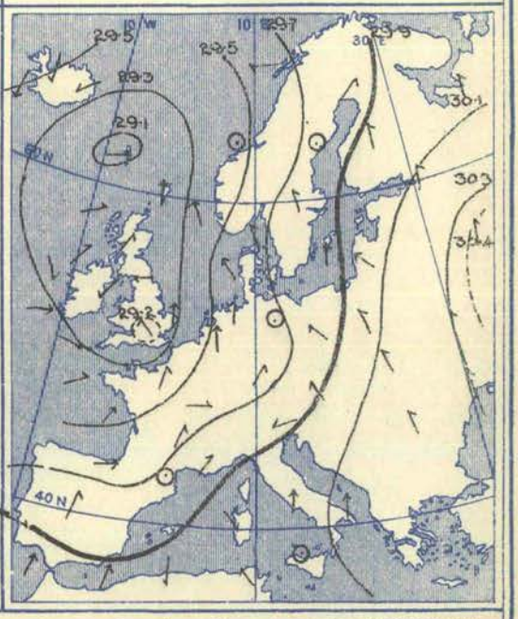
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over the United Kingdom, France, Italy, and the Spanish Peninsula, with rain over a very large area. Fair or fine over the east and north-east of Europe, as well as in Algeria. Rain falling very generally later over these Islands, France, and southern Europe, and a thunderstorm occurring in South Wales. Largest measurements more than an inch at many French stations, and more than two inches at Leghorn.

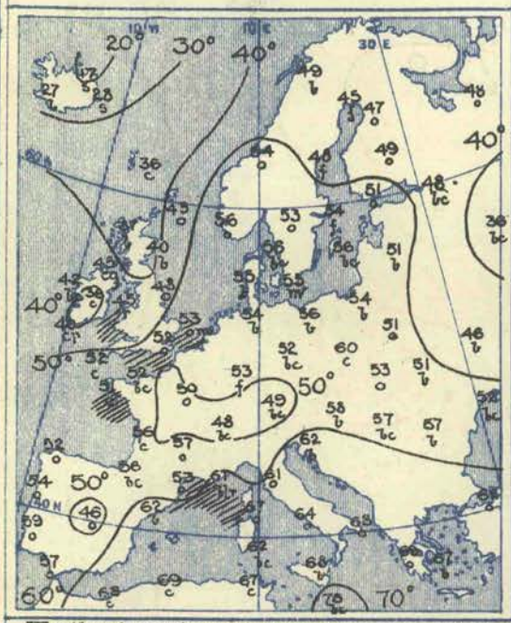
Temperature fallen or changed little. Readings in morning below 50° in many parts of these Islands and central Europe, and below 30° in Iceland. Above 60° at most stations in the south of our area and above 70° in a few places. Maxima during day nearly all below 60° in this country and the north of France, but about 70° in various parts of central Europe, and above it in the Mediterranean region; thermometer rising to 81° at Palermo, and to 82° at Patras and Tunis.

Wind in morning light to fresh from the Southward over the greater portion of this country and the North Sea and its neighbourhood, and from the Northward in Iceland. Light and moderate breezes from the Southward mainly prevalent over the Continent, but a strong breeze from North-East at Athens, and light North-Easterly breezes in northern Italy. No great change later; some veering taking place on our western coasts.

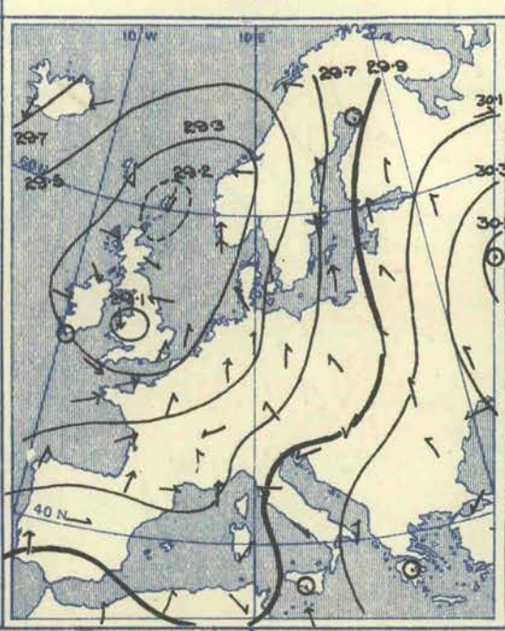
Barometer in morning above 30·3 ins. in an anticyclone over Russia, below 29·2 ins. in a large depression between this country and Iceland and having its minimum near Thorshavn. Several ill-defined secondary systems shown in various parts of the western countries. High pressure system maintaining its position during day, and northern depression remaining almost stationary. A brisk decrease of pressure taking place over England and France, and a small minimum found near London at six p.m. Barometer rising again in Iceland.

Tuesday, 15th October, 1907.

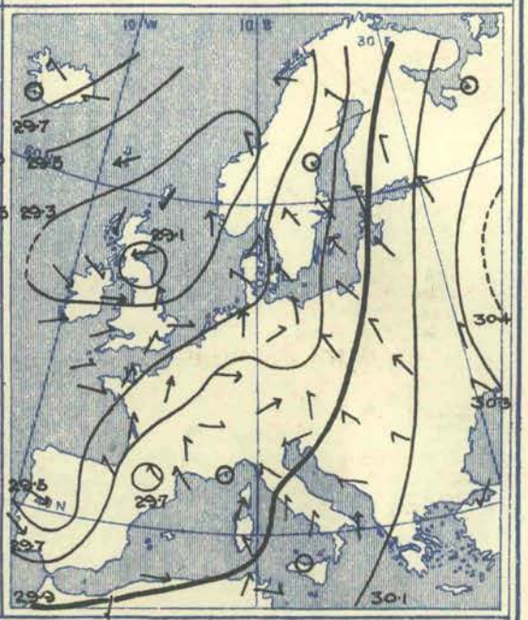
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in Scotland and many parts of Ireland, dull and rainy in many English localities and also at some stations in France. Fair or fine in the east and south of our area generally, but a thunderstorm prevailing at Cape Sicié. Extremely heavy rain later in Scotland, and large quantities in several parts of England and France. Largest measurements 2·61 ins. at Leith, 1·40 in. at Nairn, 0·90 in. at Wick, and more than an inch in several French localities. Thunderstorms experienced in some parts of Scotland and also at Nantes.

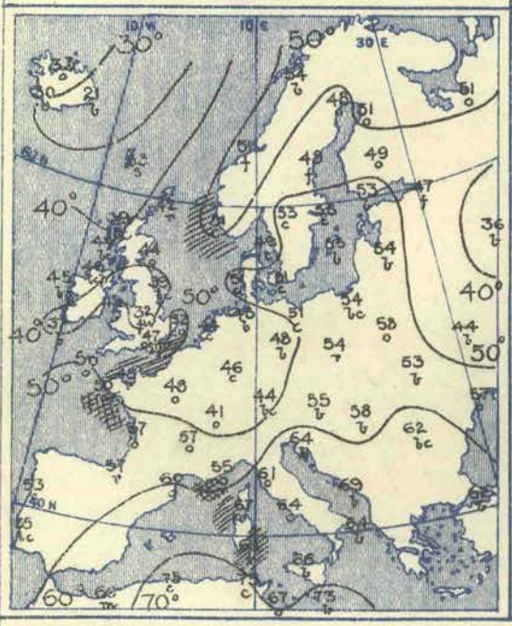
Temperature fallen over these Islands and the nearer countries of the Continent, risen over Scandinavia and many parts of Russia. Readings in morning above 65° at a few of the most southern stations, and as high as 75° at Malta. Below 50° in almost all parts of these Islands, and no higher than 36° at Birr Castle. Sharp frost prevailing in Iceland. Maxima during day below 50° over a large portion of the west and north of this country, and below 60° over a large part of France. Above 70° at most stations in the far south, and as high as 86° at Palermo and La Calle.

Wind in morning showing a very extensive, but complex, cyclonic circulation over the United Kingdom and its neighbourhood; Southerly current blowing a gale at Skudesnaes, and fresh or strong winds prevailing in some other localities, but little force generally. No change of a general character occurring later in day.

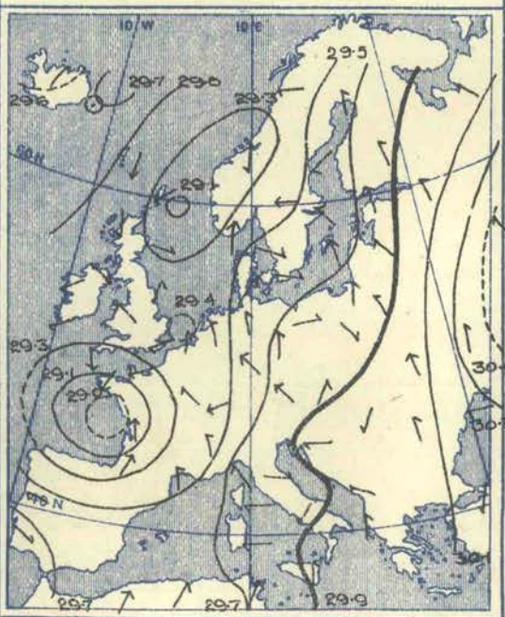
Barometer in morning above 30·5 ins. in an anticyclone over the centre of Russia. A very large low pressure system with two separate minima lying over our Islands and their vicinity—one minimum over North Wales and the other near Shetland. The former travelling to Scotland during day and pressure increasing over England and Wales. A very brisk fall of the barometer setting in over the Spanish Peninsula, and a depression of considerable depth travelling quickly to the Bay of Biscay during the night.

Wednesday, 16th October, 1907.

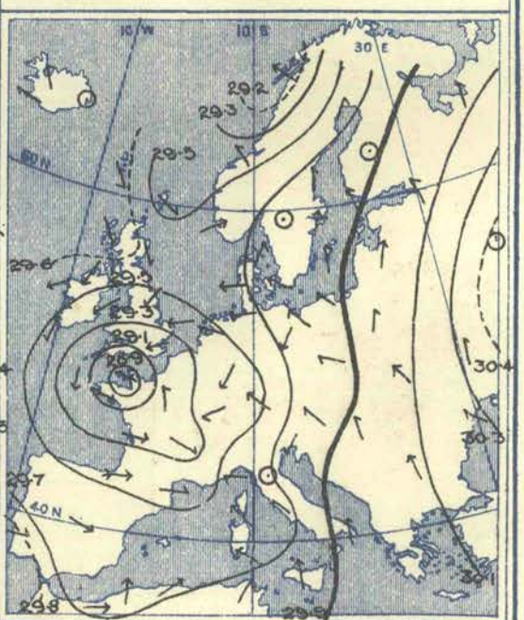
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled, with rain in places, over these Islands and France, and overcast in nearly all parts of Italy. Fine and bright over Russia and in several localities in central Europe, but foggy at St. Petersburg and rainy at Breslau. Very heavy rain later over France and many parts of this country; 1·0 in. at Oxford, 1·8 in. at Portland Bill, 1·9 in. at Torquay, 3·5 ins. at Lincoln, and more than 2·0 ins. in several parts of France. Thunder heard at Paris, and a thunderstorm occurring at Plymouth.

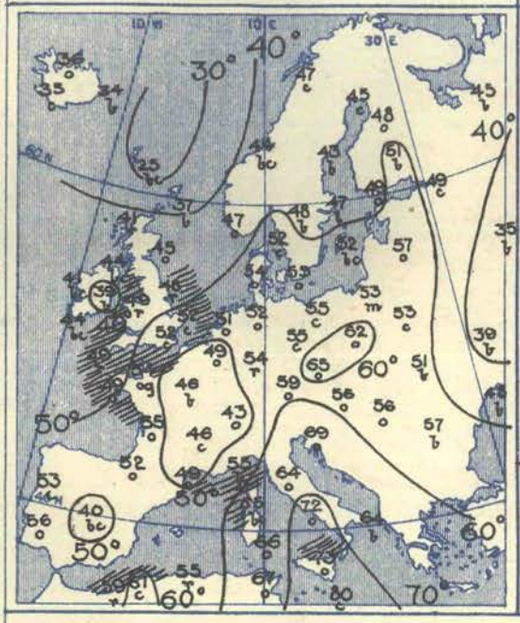
Temperature fallen in most regions. Readings in morning above 70° at a few southern stations, but less than 50° in many parts of France and nearly the whole of the United Kingdom. Thermometer as low as 32° at Nottingham and 31° at Birr Castle. Rising during day to 88° at La Calle, 87° at Palermo, and to above 75° in many other southern localities. Maxima below 60° at many French stations, and less than 50° at several places in Ireland and Scotland.

Wind in morning showing two cyclonic circulations over the western part of our area. A strong or fresh North-Easterly breeze blowing over the English Channel, and a Southerly gale at Rochefort; and a high Northerly wind at Thorshavn and a Southerly gale at Skudesnaes. A light or moderate current mainly from the Southward prevailing over the east of our area. Becoming strong from the Eastward or attaining the force of a gale by evening over the southern half of these Islands, and increasing in force over the greater portion of our area. Rising to a gale from the Southward both at Palermo and Riga.

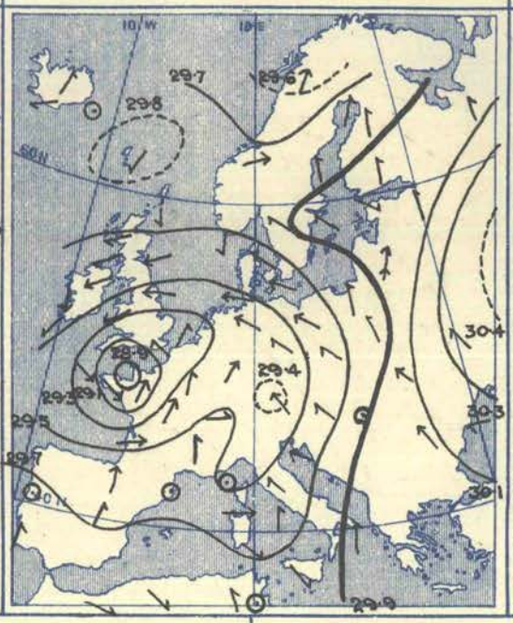
Barometer still high, above 30·4 ins., in an anticyclone over Russia; decreasing to less than 29·1 ins. in a depression having its minimum near Sumburgh Head, and below 29·0 ins. in another system over the Bay of Biscay. Both disturbances travelling north-eastwards during day, and gradients increasing over our Islands and their neighbourhood. Pressure increasing about 0·3 in. in Scotland and decreasing to a like extent over the southern counties of England.

Thursday, 17th October, 1907.

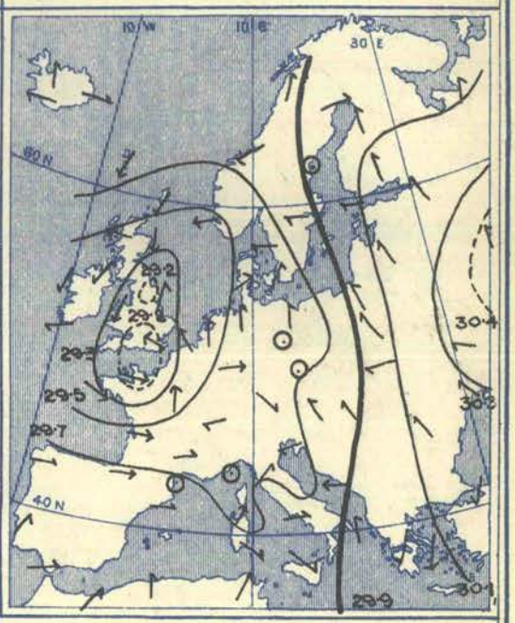
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over our Islands and their immediate vicinity, with rain in many places; cloudy or overcast in most parts of our area, except Russia, with rain on the coast of Algeria. Rain later over the United Kingdom, France, and the southern half of Europe generally; amounts heavy in many localities—1·2 in. at Aberdeen and Rome, and 2·3 ins. at Trieste.

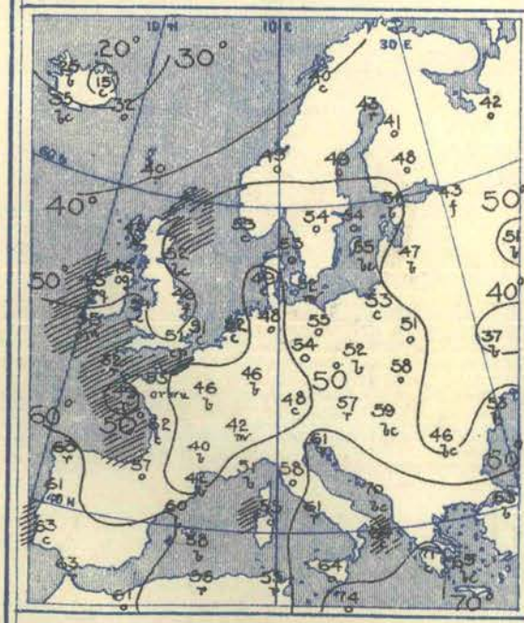
Temperature risen over this country and Italy, fallen in most other regions. Readings in morning above 70° in various parts of Italy and as high as 80° at Malta. Only a little above 40° in the north of Scotland, and below that point over most of Russia and over the Icelandic region. Lowest value 25° at Thorshavn. Maxima during day below 55° at most of our own stations, but as high as 70° at Berlin, and above that point very generally in the south. Thermometer touching or exceeding 80° in several places on the shores of the Mediterranean.

Wind in morning showing a cyclonic circulation, strong to a gale in force, over these Islands, France, and the North Sea. Light to moderate winds from the Southward mainly prevalent over Russia, but a strong gale from that quarter reported at Riga. Little general change later in day, wind decreasing in force in some places and increasing in others.

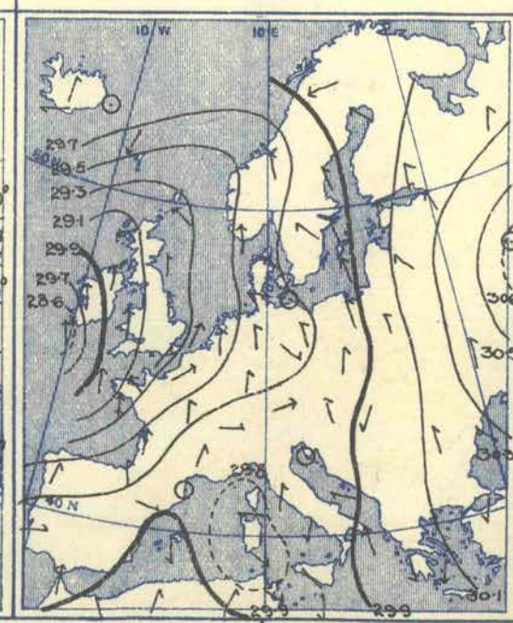
Barometer in morning above 30·4 ins. in an anticyclone over Russia, and relatively high between Shetland and Iceland. Below 28·9 ins. in a deep depression having its centre over the English Channel. Disturbance moving slowly northwards during day and becoming much modified in form. A secondary disturbance forming over the north-east of England, and a very large and deep low pressure system approaching Ireland during the night, and producing a very rapid fall of the barometer in the west and south-west generally.

Friday, 18th October, 1907.

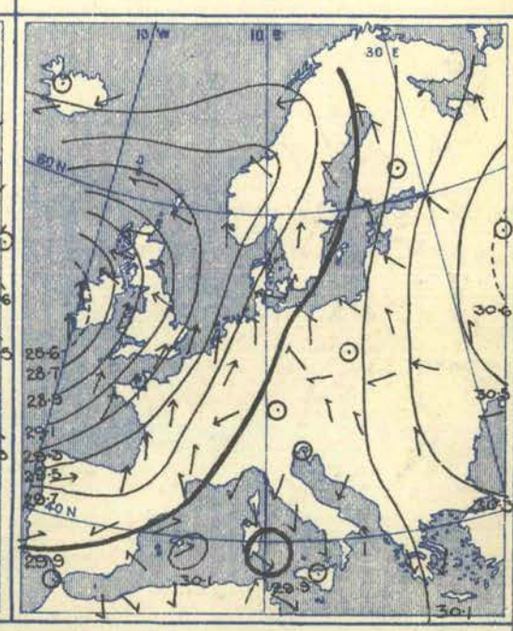
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair or fine over the eastern half of our area and in some localities elsewhere. Overcast in many parts of these Islands with rain in the west and south, and rain also falling in various parts of southern Europe, and also at Thorshavn and Bodö. Rain falling later in the United Kingdom and in various regions of the Continent; amounts not large generally, but about 0·5 in. recorded in several localities.

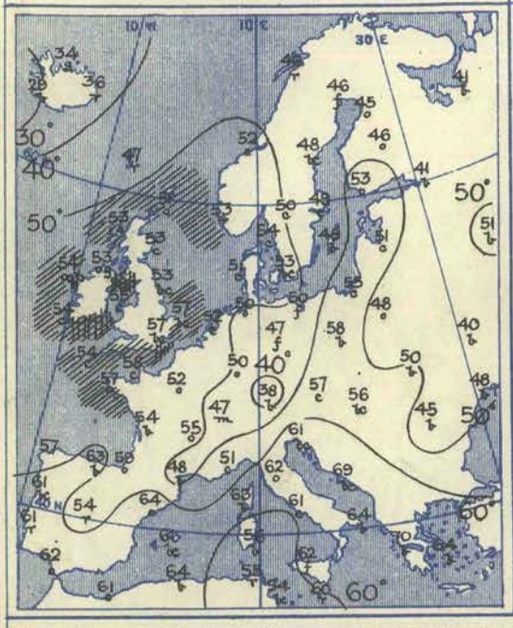
Temperature risen over Ireland, Scotland, and Scandinavia, fallen in most other regions. Readings in morning as high as 74° at Malta, but below 60° at some other southern stations; below 50° in various parts of France, central Europe, and the United Kingdom, and less than 30° over the major portion of Iceland; lowest reading 15° at Grimstadir. Maxima during day above 55° over the greater part of these Islands, and nearly as high as 60° in places. Thermometer rising to 81° at Patras, 77° at Malta, and to about 70° in a few other districts.

Wind in morning strong to high from the Southward and South-Westward on our southern and south-eastern coasts, and strong to a gale from the Southward along our western coast and over the Bay of Biscay. Drawing into East and falling light in the north of Scotland, but blowing a gale from North-East at Thorshavn. Light to moderate cyclonic airs prevailing over the Mediterranean, and a light Southerly breeze over the east of our area. Gales and strong winds continuing throughout the day over most of this country and its immediate neighbourhood.

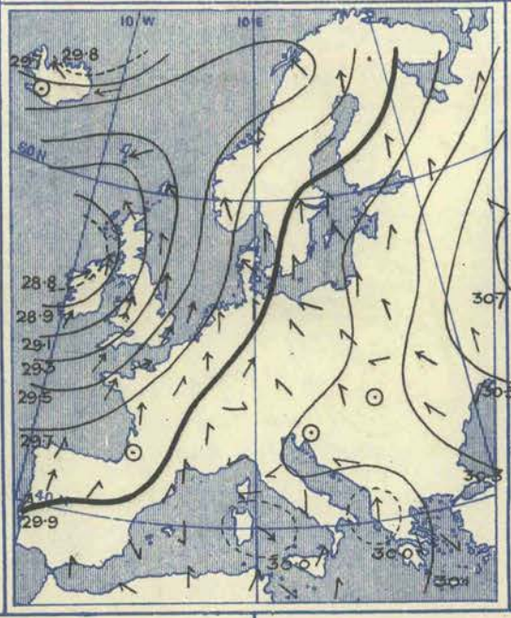
Barometer in morning above 30·6 ins. over central Russia; below 29·8 ins. over Corsica and Sardinia, and less than 28·6 ins. in a large and deep disturbance having its minimum off the south-west coast of Ireland. Gradient very steep over the Bay of Biscay. Storm-centre travelling northwards during day, and gradients becoming steeper between the south-west coast of Ireland and the coast of Brittany. No important modification occurring in the general distribution of pressure.

Saturday, 19th October, 1907.

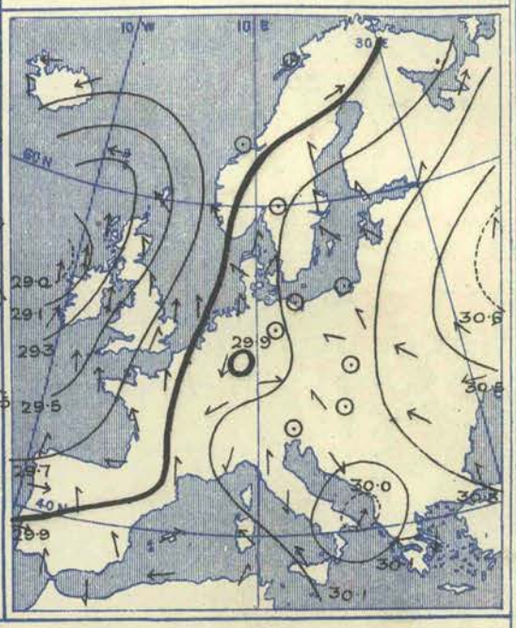
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but rough over these Islands, with some rain in the far west. Rain also falling in the Icelandic region, as well as in the Spanish Peninsula and at some other southern stations. Rain experienced later in most parts of this country and over a considerable portion of the Continent. Largest amounts 2·1 ins. at Mont Aigoual and 3·7 ins. at Malta. A thunderstorm occurring at Nantes.

Temperature risen very generally. Readings in morning above 60° at most southern stations and as high as 70° at Patras; nearly as high as 60° in the south-east of England, but below 50° in the north-east of Europe, and below 32° in some parts of Iceland. Thermometer rising to about 60° during day over the more southern part of England, and to 70° or above in southern Europe and at some places in the central countries. Highest readings 87° at Patras and 84° at Oporto.

Wind in morning strong to a gale from South-West or South on our western coasts, and fresh to strong or high from those quarters over our Islands generally; moderate or fresh from the Eastward in Iceland and its vicinity. Wind light and mainly Southerly over the eastern half of our area. Strong winds or gales continuing all day over the west of our Islands. A high wind from South-East springing up at Toulouse.

Barometer in morning below 28·8 ins. in a depression having its minimum off the north-west of Ireland, and above 30·7 ins. in an anticyclone over central Russia. Relatively low off the north-west of Norway and also in a shallow depression over Sardinia. Pressure increasing decidedly over these Islands later, the change being greater in the west and north than in the east and south. A fresh fall of the mercury taking place over the lower part of the Bay of Biscay and the west of France during day. Scarcely any change within the anticyclonic region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy) f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,329 / 2,500	10,000 / 3,000	Remarks.
1907.										
October 15th, 9.50 a.m. to 10.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	55°	51°	[40°]					One kite, 54 sq. ft.; 3,000 ft. wire. Max. height, 2,800 ft. The wind was rising during the ascent, but dropped later in the morning.
		Humidity	90%	95%	[100%]					
		Wind Velocity, m. per hr.	SSW, 21	—, 40	[—, 40]					
October 18th, 10.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Light surface wind, SSE. Very strong and gusty, 45 m. per h. or more, at 1,000 ft. from SSW.
		Humidity								
		Wind Velocity, m. per hr.								
October 19th, 10.30 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	58°	54°						One kite, 54 sq. ft.; 2,200 ft. wire. Max. height, 2,200 ft. Very gusty wind. Rain at intervals. T. and L. in afternoon.
		Humidity	95%	95%						
		Wind Velocity, m. per hr.	S, 15	SSW, 43						
October 19th, 11.12 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature F.	57°	51°						One kite, 54 sq. ft.; 3,000 ft. wire. Scud just reached. Cumulus not reached. Erratic wind.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	SSW, †26	SSW, 43						
October 20th, 1.22 p.m. to 2.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	51°	49°	43°	38°				One kite, of specially strong construction, flown from a very thick wire. Area of kite, 77 sq. ft. Wind velocity, 2.25 p.m. to 2.35 p.m. 51 m. per h., at 3,000 ft. above sea level.
		Humidity	93%	93%	94%	80%				
		Wind Velocity, m. per hr.	S by E, —	S by E, 37	SSW, 39	SW, 39				

† Estimated.

63, Victoria Street, London, S.W. *October 23rd, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 43. FORTY-THIRD WEEK, ENDING SATURDAY, OCTOBER 26TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally unsettled and rain frequent, but most parts of England experienced considerable intervals of sunshine, and in the south and east of that country, as well as in Scotland N., the rain was usually slight. Night and morning fogs were very prevalent over England in the latter half of the week. Thunder was heard at Tunbridge Wells early on the morning of the 20th.

Temperature was above the mean in all districts except Ireland S., the excess being greater in Scotland and the east of England than elsewhere. The highest of the maxima were recorded during the early days of the week, and ranged from 64° in the English Channel and the Midland Counties to 59° in Scotland E. and W. The lowest of the minima, which occurred at most stations on Friday or Saturday, were no lower than 45° in the English Channel, but elsewhere they varied from 33° in Ireland N. and Scotland N. to 29° in England N.W. Frost on the grass was recorded over a large part of the Kingdom, the lowest readings reported being 23° at Crathes, 24° at Harrogate, and 25° at Newton Rigg and Birmingham.

Mean Temperature of the Sea differed a little from that of the preceding week. The actual values ranged from 56°·7 at Plymouth and 56°·4 at the Shipwash Lightship to rather below 50° in several parts of the Scottish coast, and to 48°·0 at Lerwick.

Rainfall exceeded the mean in Ireland, the west of Scotland and the south-western and central counties of England, but was less elsewhere. The excess was greatest in Ireland and the deficit greatest in Scotland N. and England E.

Bright Sunshine was deficient in Ireland and Scotland, but was above the average in England. The percentage of the possible duration ranged from 49 in the English Channel, 38 in England S., and 37 in England S.W. to 27 in Ireland N., and to between 17 and 10 in Scotland.

Barometer and Wind.—The whole of the Kingdom continued under the direct influence of cyclonic systems. The deepest disturbance lay off our south-west coasts at the commencement of the period, and caused strong winds or gales from between South and South-East on all our southern and south-western coasts. It subsequently travelled away northward and became less deep. During the latter half of the period the depressions had little intensity, and the winds, which varied in direction according to the position of the baric minima, were generally light in force.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 340.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Moderate	Moderate	Very light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate
	Sunshine ...	Scanty	Very scanty	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 8 weeks from Sept. 1st.	Warmth ...	5*1	3*1	6*1	6*0	4*1	5*0	5*1	4*1	4*0	4*1	4*2	5*0
	Rainfall ...	1*5	3*4	2*4	2*4	3*4	2*3	2*4	2*4	3*3	1*3	3*2	3*2
	Sunshine ...	3*1	3*1	3*0	3*2	3*1	4*3	1*2	2*0	3*2	1*4	1*5	2*1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7*0	7*0	6*0	8*1	6*1	5*2	7*0	6*2	5*0	6*1	6*1	7*1
	Rainfall ...	6*5	7*3	4*5	5*5	5*5	6*3	2*3	5*5	3*5	2*4	3*6	3*4
	Sunshine ...	6*2	6*4	7*4	4*2	5*5	5*2	5*3	7*3	6*2	7*4	4*4	4*3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	5*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2*0	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	7*2	3*2	3*5	1*5	5*4	4*5	5*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	2*7	1*7	2*3	0*5	2*6	3*5	2*6	2*6	1*6	3*3	2*5	2*7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (43rd)—October 20th to 26th, 1907.

DISTRICTS. (See p. 339.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	33	53·1	43·2	48·1	+ 3·6	43	+ 14	0	−11	6	+ 1	0·29	−0·82	11	− 5	17	− 8
Eastern																		
1. SCOTLAND, EAST	59	31	52·3	41·9	46·9	+ 2·5	35	+ 3	0	−13	5	+ 1	0·61	−0·01	7	− 11	10	−16
2. ENGLAND, N.E.	61	30	53·6	41·6	47·4	+ 1·0	39	+ 1	1	− 5	4	0	0·55	−0·18	20	+ 3	29	+ 4
3. ENGLAND, EAST	63	31	56·8	43·4	49·9	+ 2·8	55	+ 11	0	− 7	4	0	0·16	−0·49	24	+ 3	34	+ 4
4. MIDLAND COUNTIES	64	30	54·0	40·6	47·1	+ 1·0	42	+ 2	4	− 5	5	+ 1	0·76	+0·11	22	+ 4	31	+ 6
5. ENGLAND, SOUTH	63	30	56·7	44·7	50·5	+ 1·9	60	+ 8	0	− 5	5	+ 1	0·56	−0·21	27	+ 5	38	+ 8
Western																		
6. SCOTLAND, WEST	59	32	53·0	44·4	48·5	+ 2·4	46	+ 9	0	− 8	6	+ 2	1·17	+0·05	10	− 8	14	−11
7. ENGLAND, N.W.	60	29	53·4	42·6	47·9	+ 0·7	41	− 2	0	− 5	5	+ 1	1·00	−0·14	19	+ 2	28	+ 3
8. ENGLAND, S.W.	60	29	54·6	43·1	48·7	− 0·1	47	− 5	0	− 4	6	+ 2	1·20	+0·17	26	+ 5	37	+ 7
9. IRELAND, NORTH	61	33	53·6	43·4	48·4	+ 1·8	45	+ 5	0	− 6	6	+ 1	1·13	+0·28	18	− 1	27	− 2
10. IRELAND, SOUTH	62	30	54·3	41·8	47·9	− 0·2	42	− 7	1	− 4	6	+ 2	1·23	+0·34	20	− 1	29	− 1
11. ENGLISH CHANNEL	64	45	57·8	49·4	53·5	+ 1·2	81	+ 9	0	0	6	+ 1	0·91	−0·01	35	+ 10	49	+15

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 8 Weeks, September 1st to October 26th, 1907.

0. SCOTLAND, NORTH	87	26	*	*	*	*	474	+ 57	15	− 11	41	+ 2	4·95	−3·60	198	+ 30	31	+ 5
Eastern																		
1. SCOTLAND, EAST	78	26	*	*	*	*	487	+ 27	9	− 26	29	− 3	6·27	+1·47	235	+ 46	36	+ 7
2. ENGLAND, N.E.	79	28	*	*	*	*	610	+ 72	1	− 15	27	− 2	4·53	+0·06	258	+ 64	40	+10
3. ENGLAND, EAST	81	31	*	*	*	*	723	+108	0	− 20	26	− 2	3·03	−1·48	273	+ 37	42	+ 6
4. MIDLAND COUNTIES	77	27	*	*	*	*	623	+ 62	4	− 23	25	− 3	5·01	+0·52	238	+ 29	37	+ 5
5. ENGLAND, SOUTH	78	30	*	*	*	*	764	+ 84	0	− 13	30	+ 3	5·56	+0·54	266	+ 25	41	+ 4
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	562	+ 60	3	− 17	33	+ 1	7·63	−0·65	189	− 7	29	− 1
7. ENGLAND, N.W.	80	28	*	*	*	*	635	+ 63	0	− 11	28	− 2	5·31	−1·02	226	+ 27	35	+ 4
8. ENGLAND, SW	76	26	*	*	*	*	691	+ 48	0	− 9	31	0	7·33	+0·40	258	+ 18	40	+ 3
9. IRELAND, NORTH	74	25	*	*	*	*	599	+ 70	4	− 10	34	− 2	5·78	−0·63	164	− 23	25	− 4
10. IRELAND, SOUTH	77	28	*	*	*	*	677	+ 79	6	− 6	35	+ 4	6·60	+0·52	181	− 38	28	− 6
11. ENGLISH CHANNEL	81	44	*	*	*	*	895	+ 87	0	0	31	− 3	7·54	+1·58	303	+ 21	47	+ 3

THE YEAR.—Aggregates, &c., for the period of 43 Weeks, December 30th, 1906, to October 26th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1749	−164	587	− 32	222	+23	40·81	+3·30	1088	− 38	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1918	−322	608	− 15	173	+ 8	25·71	+2·40	1217	− 15	31	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2452	− 36	502	+ 11	155	+ 6	19·16	−0·77	1390	+167	36	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2795	− 80	518	− 23	145	+ 1	16·40	−3·34	1468	+ 4	38	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2601	−196	544	− 16	154	+11	21·84	+0·62	1305	− 2	34	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2903	−196	434	+ 40	144	+ 7	19·38	−1·25	1518	+ 34	39	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2271	−117	407	− 23	186	+14	40·80	+3·30	1175	−102	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2462	−177	418	+ 21	179	+21	28·69	+1·16	1279	− 21	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2674	−261	396	+ 86	176	+20	30·33	+0·72	1412	−115	36	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2332	−184	296	− 63	205	+17	33·12	+2·83	1114	− 65	29	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2802	− 82	262	− 9	198	+32	28·80	−2·48	1218	−109	31	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3274	−120	96	− 13	155	−12	22·29	−2·35	1637	−122	42	− 3

October 20-26, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	54	39	51·0	44·7	47·8	+ 3·2	41	3	7	0·37	- 0·60	9·9	- 6·6	15	- 10
		Stornoway	57	40	53·4	44·1	48·6	+ 4·0	46	0	6	0·23	- 1·05	17·2	+ 0·2	26	0
	Mainland.	Wick	55	39	53·6	45·4	49·4	+ 4·5	52	0	4	0·15	- 0·57	*	*	*	*
		†Lairg (Strathpeffer) ..	65	35	56·4	40·2	48·1	+ 5·5	50	5	7	0·19	- 0·69	11·3	- 7·1	17	- 11
		Glencarron	58	35	52 1	42·4	47·1	+ 3·5	36	0	5	0·35	*	*	*	*	*
		Fort Augustus	58	33	52·4	42·6	47·4	+ 2·4	38	0	4	0·25	- 0·72	6·3	- 6·1	9	- 9
		Fort William	59	34	52·9	43·3	48·0	+ 2·2	42	0	6	0·47	- 1·29	*	*	*	*
		(West Linton)												6·4	—	9	—
1. SCOTLAND, E.		Nairn	58	36	52·9	41·6	47·1	+ 2·7	37	1	3	0·19	- 0·36	10·1	—	15	—
		Aberdeen	55	36	52·1	44·0	47·9	+ 2·6	41	0	5	0·33	- 0·35	9·3	- 11·0	14	- 16
		†Balmoral (Crathes) ..	58	32	54·6	38·4	46·3	+ 4·9	45	10	5	0·40	- 0·49	12·0	—	18	—
		†Crieff (Balruddery) ..	59	38	52·0	42·9	47·3	+ 2·7	37	0	5	1·31	+ 0·37	2·4	—	4	—
		†Leith (Edinburgh) ..	56	40	52·3	44·9	48·5	+ 2·0	46	0	7	0·06	+ 0·19	2·0	- 14·5	3	- 21
		Marchmont	54	31	50·0	39·3	44·5	+ 0·4	29	8	7	0·76	- 0·05	4·8	- 12·7	7	- 19
		(Saltburn)												25·8	—	37	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	60	31	53·5	39·4	46·2	+ 0·7	40	7	5	1·14	- 0·33	15·8	—	23	—
		†Shields (Newcastle)	60	34	54·1	41·6	47·7	+ 1·4	42	1	4	0·54	- 0·11	9·0	- 5·0	13	- 8
		Durham	58	31	52·3	40·6	46·3	+ 1·3	36	4	4	0·73	- 0·03	17·5	- 0·9	26	- 1
		Scarborough	60	36	54·4	43·8	48·9	+ 2·0	48	0	5	0·43	- 0·30	27·0	—	39	—
		York	60	31	52·4	40·8	46·4	+ 0·3	36	3	6	0·63	0·00	12·4	- 4·6	18	- 7
	Southern part.	Spurn Head	59	43	? 54·6	? 47·3	? 50·8	+ 2·9	62	0	4	? 0·29	- 0·30	*	*	*	*
		†Lincoln (Skegness)	60	31	53·6	39·4	46·3	+ 0·1	41	7	4	0·30	- 0·24	23·3	—	34	—
		†Fulbeck (Rauceby)	61	30	53·7	39·7	46·5	+ 0 8	41	6	3	0·33	- 0·20	22·1	—	32	—
3. ENGLAND, E.	Northern part.	Hillington	62	32	55·4	41·1	48·0	+ 1·2	46	3	5	0·12	- 0·53	20·6	+ 1·2	30	+ 2
		†Yarmouth (Lowestoft) ..	61	41	56·3	48·0	52·0	+ 4·4	70	0	5	0·32	- 0·34	25·6	—	37	—
		Geldeston	62	31	59·3	42·2	50·5	+ 3·0	60	0	3	0·09	- 0·51	27·2	+ 5·6	39	+ 8
		(Cromer)												29·5	—	43	—
	Southern part.	Cambridge	62	31	56·3	39·5	47·7	+ 0·9	50	7	3	? 0·06	- 0·48	20·9	- 0·5	30	- 1
		Felixstowe	60	35	57·4	45·0	51·0	+ 2·6	63	0	1	0·15	—	30·8	—	44	—
		Clacton-on-Sea	60	39	58·0	46·6	52·1	+ 2·9	71	0	2	0·17	—	26·8	—	38	—
		Rothamsted	60	31	54·4	38·8	46·4	+ 0·3	44	9	5	0·30	- 0·39	21·5	- 0·2	31	0
		†Shoeburyness (Southend) ..	61	35	57·7	44·3	50·8	+ 1·7	62	0	3	0·09	- 0·42	25·9	—	37	—
		London, Westminster	63	39	56·6	45·3	50·8	+ 3·4	62	0	4	0·10	- 0·51	16·2	+ 2·5	23	+ 4
		(Dunmow)												26·2	—	37	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	57	32	51·1	40·4	45·6	+ 0·8	32	4	5	1·08	+ 0·35	19·3	—	28	—
		†Bawtry (Worksop)	64	30	57 7	37·7	47·4	+ 1·7	56	12	4	0·35	- 0·21	16·2	- 1·0	24	- 1
		Nottingham	60	31	54·3	39·3	46·6	+ 0·2	44	8	3	0·35	- 0·22	18·1	—	26	—
		Birmingham, Edgbaston ..	58	35	52·8	42·8	47·7	+ 1·1	40	0	5	0·61	- 0·02	15·9	—	23	—
		Oxford	60	33	55·3	41·7	48·3	+ 1·2	45	1	5	0·59	- 0·01	24·7	+ 4·3	35	+ 6
	Western part.	†Cheadle (Sheffield) ..	57	34	51·3	41·5	46·3	+ 1·1	32	1	5	0·82	+ 0·09	23·8	—	35	—
		Shrewsbury	58	31	53·4	40·4	46·7	- 0·9	40	4	5	0·58	—	*	*	*	*
		Hereford	58	30	53·7	40·2	46·8	+ 0·1	41	5	6	1·07	+ 0·44	*	*	*	*
		Cirencester	59	32	53·9	40·3	46·9	+ 1·2	41	5	6	0·82	+ 0·11	26·0	+ 5·6	37	+ 8
		Bath	61	32	56·3	41·7	48·8	+ 1·3	49	1	6	1·33	+ 0·63	31·8	—	45	—
		(Margate)												26·8	+ 5·0	38	+ 7
5. ENGLAND, S.		Kew	62	35	56·0	40·9	48·2	+ 0·9	48	3	4	0·32	- 0·28	19·0	+ 0·3	27	0
		Wisley, Surrey	62	30	55·9	41·1	48·3	+ 1·3	48	3	5	0·42	—	24·0	—	34	—
		†Swarraton (Ventnor) ..	61	31	54·6	40·3	47·2	+ 1·1	44	5	6	0·94	+ 0·14	35·5	+ 10·9	51	+ 16
		Tunbridge Wells	59	36	55·4	43·0	49·0	+ 2·2	49	0	5	0·87	- 0·43	25·8	+ 4·0	37	+ 6
		†Dungeness (Littlestone) ..	62	33	59·1	48·6	53·7	+ 4·2	82	0	4	0·32	- 0·40	31·1	—	44	—
		Hastings	62	42	58·7	47·8	53·1	+ 3·5	78	0	3	0·40	- 0·43	25·5	+ 1·2	36	+ 2
		Southampton	63	35	57·5	44·7	50·9	+ 1·8	62	0	7	0·80	- 0·03	28·1	+ 5·5	40	+ 8
		†Portland Bill (Worthing) ..	60	49	56·1	51·0	53·5	+ 2·3	81	0	6	0·90	—	29·1	—	42	—
		(Eastbourne)												21·1	- 2·8	30	- 4
6. SCOTLAND, W.		Laudale	59	35	55·1	45·0	49·9	+ 3·6	55	0	6	0·62	- 1·15	*	*	*	*
		Poltalloch	60	33	56·3	41·9	48·9	+ 2·9	49	0	7	1·28	+ 0·04				
		Glasgow	55	41	51·2	45·8	48·4	+ 3·2	45	0	6	1·30	+ 0·49	1·2	- 12·4	2	- 18
		Rothesay	58	33	52·7	44·7	48·6	+ 2·0	46	0	6	1·34	+ 0·26	*	*	*	*
		Dumfries	56	40	51·9	45·4	48·6	+ 2·5	46	0	6	1·29	+ 0·37				
		Cally	55	38	52·8	43·1	47·8	+ 2·4	41	0	6	1·51	+ 0·37	*	*	*	*
		Douglas, Isle of Man	57	32	53·8	42·6	48·0	+ 0·5	42	0	5	1·14	+ 0·05	18·2	- 2·8	26	- 4
7. ENGLAND, N.W.		Aspatria	56	37	52·2	43·6	47·8	+ 2·5	41	0	6	1·08	+ 0·15	7·2	—	11	—
		Newton Rigg	55	30	51·9	41·2	46·4	+ 2·1	34	2	6	0·94	+ 0·04	10·6	- 6·7	16	- 10
		Stonyhurst	57	30	51·5	41·1	46·2	+ 0·4	33	3	4	0·94	- 0·16	16·1	- 1·4	23	- 2
		Blackpool	58	29	53·7	41·5	47·4	+ 0·1	40	1	4	0·68	- 0·22	25·1	+ 6·6	36	+ 10
		Manchester, Prestwich ..	59	31	53·8	40·9	47·2	+ 1·0	41	3	4	0·99	+ 0·12	17·0	+ 3·9	25	+ 6
		†Liverpool Obs. (Hoylake) ..	58	36	52·9	42·6	47·6	- 0·1	39	0	6	1·19	+ 0·42	23·4	—	34	—
		†Hawarden Bridge (Southport)	59	34	54·9	42·1	48·3	+ 0·4	44	0	5	0·39	- 0·35	22·9	+ 5·3	33	+ 8
NORTH WALES		Llandudno	60	37	54·8	46·0	50·3	+ 1·0	58	0	6	0·70	- 0·17	24·9	+ 7·2	36	+ 10
		†Holyhead (Aberdovey) ..	58	40	54·0	46·1	49·9	+ 0·4	55	0	7	1·31	+ 0·31	25·5	—	36	—
		Bettws-y-Coed	59	31	54·4	40·9	47·5	- 1·5	43	3	6	1·80	—	23·9	—	35	—
		(Aberystwyth)												22·0	—	31	—
8. SOUTH WALES		Llangammarch Wells	57	29	52·2	38·8	45·3	- 2·3	37	9	5	1·37	—	20·0	—	29	—
		Pembroke	57	40	55·0	47·0	50·9	+ 0·8	62	0	7	1·58	+ 0·65	26·8	+ 5·6	38	+ 8
		Cardiff	59	32	55·3	40·1	47·5	- 0·5	46	5	7	1·73	+ 0·67	18·5	—	26	—
ENGLAND S.W.		Clifton	59	38	54·2	44·6	49·3	+ 1·3	51	0	6	0·92	+ 0·07	24·2	—	35	—
		†Shaftesbury (Marlborough)	58	39	53·8	43·3	48·4	+ 1·6	45	0	6	0·89	+ 0·05	24·2	+ 4·4	35	+ 6
		†Arlington (Newquay)	58	38	54·1	42·4	48·1	+ 0·7	43	0	7	1·49	+ 0·05	30·3	+ 7·0	43	+ 10
		Cullompton	60	32	56·0	40·0	47·8	+ 0·8	49	6	5	0·87	- 0·08	24·5	+ 5·1	35	+ 7
		Plymouth	59	41	56·6	45·4	50·8	+ 0·9	62	0	7	0·79	- 0·08	32·7	+ 10·1	47	+ 14
		Falmouth	58	43	54·4	46·4	50·3	- 0·3	58	0	6	1·19	+ 0·01	31·6	+ 6·7	45	+ 10
		(Torquay)												35·3	+ 12·8	50	+ 18
9. IRELAND, N.	Western part.	Malin Head	58	45	53·3	46·1	49·6	+ 1·8	53	0	7	1·15	+ 0·42	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	57	39	53·1	44·1	48·5	- 0·3	46	0	7	1·72	+ 0·55	*	*	*	*
		Markree Castle	61	33	54·5	40·0	47·0	+ 0·9	43	6	6	1·37	+ 0·40	20·1	+ 1·9	29	+ 3
	Eastern part.	Armagh	58	35	53·7	42·1	47·7	+ 1·7	40	0	6	1·03	+ 0·39	16·5	- 2·5	24	- 4
		Donaghadee	55	38	53·3	44·9	49·0	+ 1·5	49	0	5	0·40	- 0·28	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	58	33	53·0	43·6	47·9	- 0·3	41	0	6	0·84	+ 0·20	16·0	- 6·6	23	- 10
		Kilkenny	58	30	53·7	38·7	46·0	- 1·1	42	9	6	1·18	+ 0·48	*	*	*	*
		Waterford	59	32	54·6	40·7	47·4	- 0·5	43	4	6	2·02	+ 1·13	*	*	*	*
	Western part.	Birr Castle	60	33	53·4	39·3	46·1	- 0·1	40	8	6	1·09	+ 0·44	22·4	+ 2·1	33	+ 3
		Foynes	61	34	54·9	42·6	48·6	+ 0·8	46	0	7	0·77	- 0·09	*	*	*	*
		Killarney	62	36	56·3	42·4	49·1	+ 0·3	50	0	7	1·39	+ 0·14	*	*	*	*
		Valencia	55	38	54·1	44·7	49·3	- 0·9	51	0	7	1·25	- 0·01	14·6	- 6·9	21	- 10
		†Roches Point (Ballinacurra) ..	57	37	54·3	43·0	48·5	- 1·3	46	0	6	1·29	+ 0·32	27·5	—	39	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	58	48	56·4	49·3	52·8	+ 0·4	76	0	6	0·82	- 0·03	34·1	+ 9·9	48	+ 14
		†Jersey, St. Aubins (St. Heliers)	62	47	59·0	50·3	54·5	+ 2·2	88	0	6	0·96	- 0·07	30·0	+ 4·0	42	+ 6
		Guernsey	64	45	58·1	48·7	53·3	+ 1·1	79	0	6	0·95	- 0·19	39·6	+ 16·8	56	+ 24

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 28·1 hrs., 40 %; Brighton, 22·9 hrs. (- 1·5), 33 % (- 2 %); Bournemouth, 34·3 hrs., 49 %; Bognor, 34·7 hrs., 50 %; Rhyl, 27·5 hrs., 40 %; Tenby, 28·0 hrs. (+ 6·0), 40 % (+ 9 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	49·3
	Crathes	2	23	48·7	49·9
	Balmoral	3	26	—	—
	Marchmont ..	2	28	46·3	—
2.	Cockle Park	1	30	47·2	49·3
	York	—	—	50·2	52·4
	Hull	1	26	48·9	52·3
	Lincoln	—	—	49·6	52·7
3.	Lowestoft	0	34	51·7	54·6
	Cambridge	1	29	50·3	54·2
	Dunmow	0	?32	—	—
	Clacton-on-Sea ..	2	28	53·3	55·8
4.	Harrogate	2	24	48·2	49·6
	Sheffield	2	28	48·7	51·8
	— — ..				
	Birmingham	3	25	48·5	51·1
	Nottingham	2	28	48·2	52·8
	— — ..				
5.	Kew	0	32	50·1	54·0
	Canterbury	2	28	52·3	55·1
	Portsmouth	1	29	52·6	55·9
	Wisley	3	29	50·3	54·1
6.	Glasgow	1	30	—	—
	Rothesay	—	—	—	50·2
	Dumfries	0	35	—	—
	Douglas	1	28	—	—
7.	Newton Rigg ..	1	25	49·3	50·8
	Southport	2	28	48·5	52·4
	Manchester City ..	0	32	49·8	53·9
	Bettws-y-Coed ..	1	30	47·9	51·0
	— — ..				
8.	Llangammarch Wells	3	24	50·0	52·5
	— — ..	—	—	—	—
	Bath	—	—	53·3	56·7
	Plymouth	0	33	52·2	—
9.	Armagh	0	31	49·8	52·4
	Markree Castle ..	3	27	—	—
10.	Dublin, Trin. Coll. ..	1	30	50·1	52·6
11.	Guernsey, Brooklyn				

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	48	48·0
	Kirkwall	51	49	49·9
	Wick	[51]	[51]	[51·0]
SCOTLAND, E.	Cromarty	50	49	49·5
	Pennan Bay	52	50	51·1
	Aberdeen, Cove Bay ..	51	48	49·3
ENGLAND, N.E.	Burnmouth, Berwick ..	51	48	49·9
	Scarborough	52	49	50·2
ENGLAND, E.	Shipwash Lightship ..	57	55	56·4
	Margate	57	53	55·5
ENGLAND, S.E.	Eastbourne‡	57	54	55·9
SCOTLAND, W.	Lamlash	53	51	52·0
	Ballantrae	51	49	49·7
ENGLAND, N.W.	Port Erin	55	52	53·7
ENGLAND, S.W.	Newquay	55	54	54·3
	Plymouth‡	57	56	56·7
	Salcombe	56	56	56·0
IRELAND, N.W.	Sheephaven	54	53	53·9
	Ballyglass	54	51	52·4
IRELAND, S.W.	Cleggan	54	50	51·9
	Seafield	55	50	52·4
IRELAND, E.	Kingstown‡	55	54	54·4

‡ Only one observation each day.

FALL OF "BLACK RAIN" IN IRELAND.

The following account has been received from Dr. Otto Boeddicker, in charge of the Earl of Rosse's Observatory at Birr Castle, of a remarkable fall of "black rain" :—

"During the night from October 8th to October 9th we had here a considerable fall (0·420 in.) of black rain. I have made fairly extended enquiries, and find that towards the south and east to south-east of Birr it stood in black—one informant (an educated gentleman) says inky—pools on the roads, yet this was not noted towards the north or west, though from these directions also I hear that rain-water tanks had to be let off on account of the blackness of the water. I heard of two cases where clothes hanging on the hedges to bleach were so thoroughly blackened by the rain as to require re-washing. This was again towards the south or south-east, three to seven miles away. Here at the Observatory the water in the rain-gauge was so black that the observer suspected malicious interference. I procured a bottle of the water and found in it an extraordinary amount of soot. The wind during the night was S.E. and rather fresh."

Further enquiry made by the Earl of Rosse, through the medium of the "Irish Times," has brought to light the fact that similar phenomena were observed at Clare (King's County), Mullingar (Westmeath), Stradbally (Queen's County), Rockcorry (Monaghan), and Limerick (?).

On October 8th and 9th a rather irregular-shaped depression was developing, with its centre over the Bristol Channel. The gradient over the south of Ireland and central or south-eastern England was for easterly or south-easterly wind, and the wind velocity corresponding with the distribution of pressure was between 12 and 15 miles per hour. The "travel" of the air would thus have been about 150 to 180 miles in 12 hours, so that there is reason to believe that the air which brought the deposit was over the central portion of Great Britain rather more than 12 hours before the "black rain" fell. The meteorological evidence is not sufficient to enable us to determine whether the origin of the deposit is to be sought in Lancashire, the Midlands or in South Wales, but it is highly probable that it came from one of these manufacturing centres.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

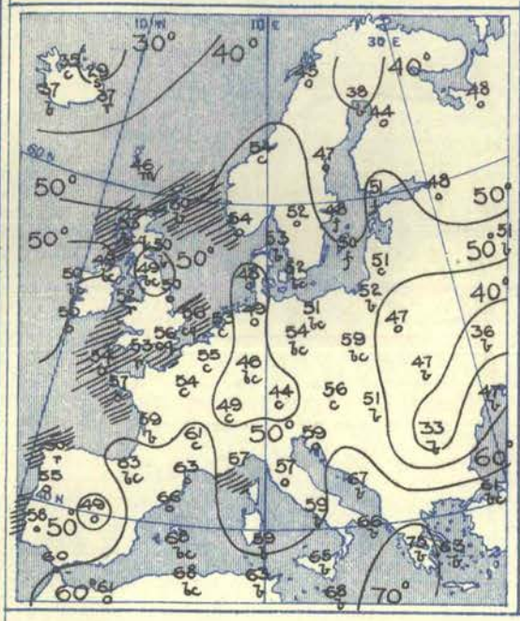
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

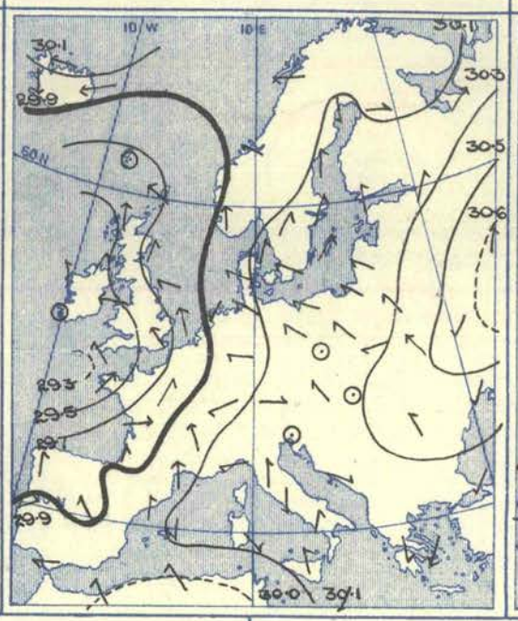
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 20th October, 1907.

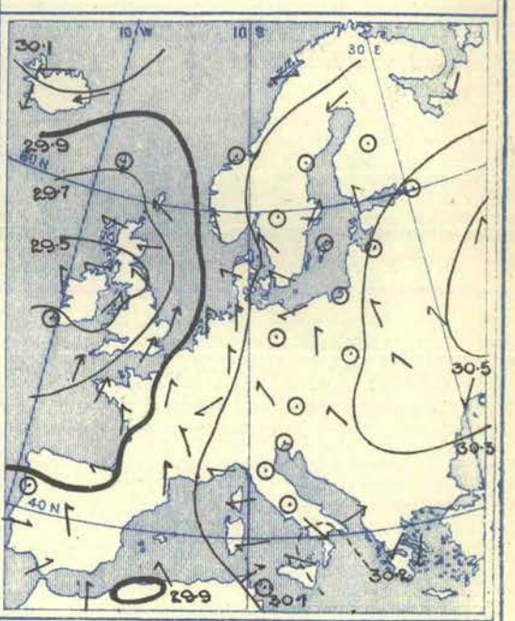
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over nearly the whole of eastern, central, and southern Europe, as well as in Scotland and northern Ireland. Dull, with rain over many parts of England, and rain or snow falling in Iceland. Rain experienced later in nearly all parts of these Islands and the nearer countries of the Continent; 0·6 in. at Birr Castle and Utrecht, 1·1 in. at the Pic du Midi, and 2·6 ins. at Mont Aigoual.

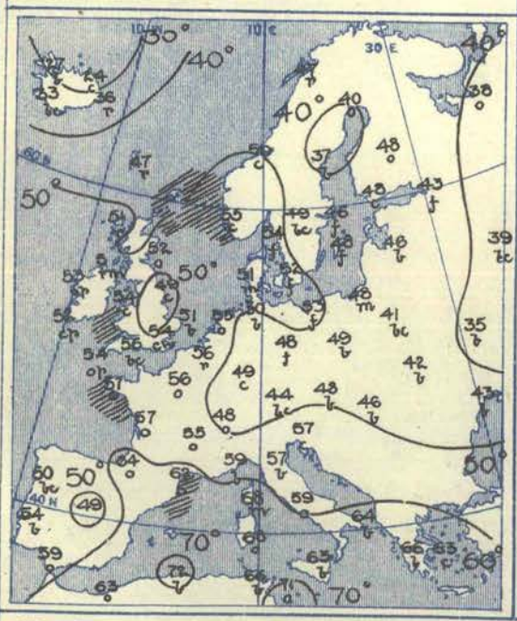
Temperature changed rather irregularly; fallen over these Islands and the Spanish Peninsula. Readings in morning above 60° very generally on the shores of the Mediterranean, and as high as 75° at Patras. Below 50° over most of central and northern Europe, and below 40° in Little Russia, the north of Sweden, and in Iceland. Rising later to 86° at Algiers and to between 70° and 80° in the south generally. Thermometer remaining below 60° over the major portion of this country.

Wind in morning strong to a gale from the South-Westward over the Bay of Biscay, and fresh to strong from between South and South-East over the greater part of England. Light and variable airs prevailing over the Mediterranean region, and mainly Southerly winds over Russia and Scandinavia. Little change during day; veering somewhat over England and decreasing in force over the Bay of Biscay.

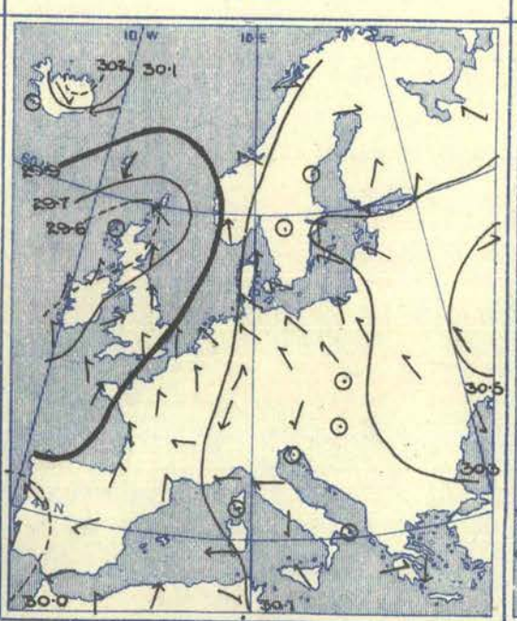
Barometer in morning above 30·6 ins. in an anticyclone over Russia; below 29·4 ins. in a depression situated over the south-west of England and its neighbourhood, and having its minimum near Scilly. Gradients steep over the Bay of Biscay and the north-west of France. Disturbance travelling northwards during day and becoming rather less deep. Little change taking place in the general distribution of pressure.

Monday, 21st October, 1907.

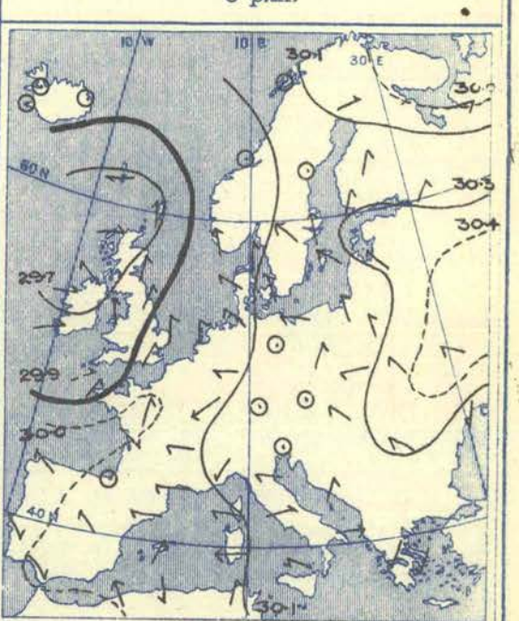
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over Russia and the Mediterranean region, as well as in some localities elsewhere. Rainy in the west and north of these Islands, and also at Brussels, Bodö, and Seydisfjord. Fog very prevalent over central Europe and the Baltic. Rain experienced later in most parts of the United Kingdom and in various districts over the western half of the Continent. Largest measurements 0·7 in. at Blacksod Point, 0·8 in. at San Fernando, 1·9 in. at Biarritz, and 2·7 ins. at Puy-de-Dôme.

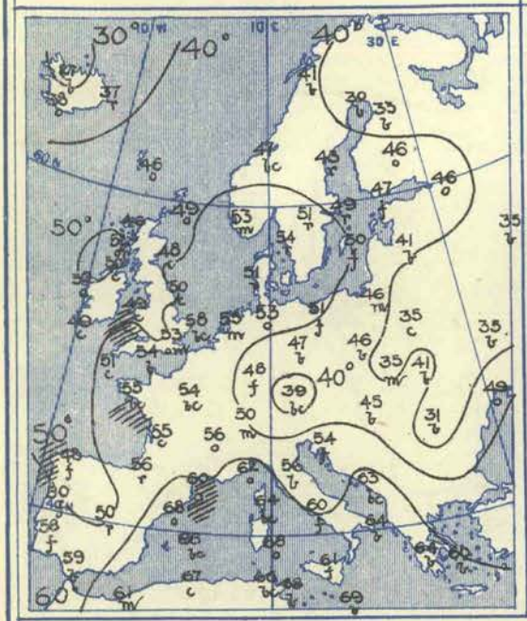
Temperature fallen generally, risen at some southern stations. Readings in morning above 70° at Algiers, Malta, and Tunis, and above 65° at several other Mediterranean stations. Less than 50° over our area as a whole, and below 40° in the north-east and north-west. Lowest value 24° at Grimstadir. Rising to above 70° during day at many stations in the south of our area, and to as high as 86° at Algiers. Maxima below 60° over the greater portion of these Islands, and little above that point over central Europe.

Wind in morning light to fresh from the Southward over our Islands and the adjacent portion of the Continent, South-Easterly in Norway, and North-Easterly over the Icelandic region. Light airs from some point between South-East and South-West prevailing over the eastern half of our area. Not much change later; some veering taking place in Ireland and at Scilly.

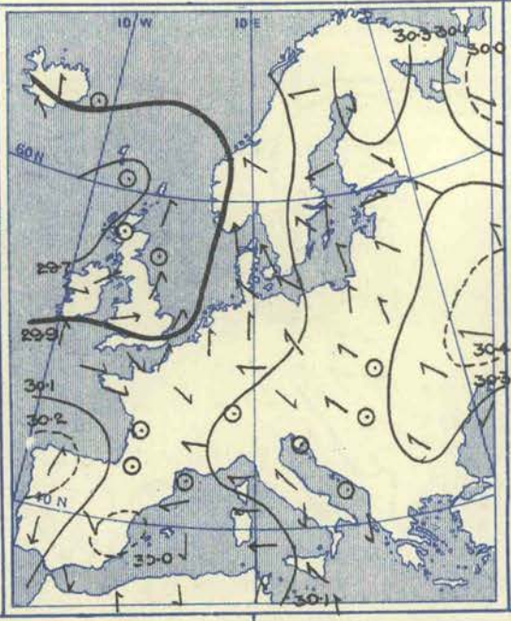
Barometer in morning ranging from above 30·5 ins. in an anticyclone over Russia, to below 29·6 ins. in a depression over Scotland and the adjacent part of the Atlantic. Scarcely any change in the distribution during day. Pressure increasing over Scotland, decreasing over Iceland. A feeble secondary system appearing in the south-west of these Islands, but having little effect on the motion of the barometer.

Tuesday, 22nd October, 1907.

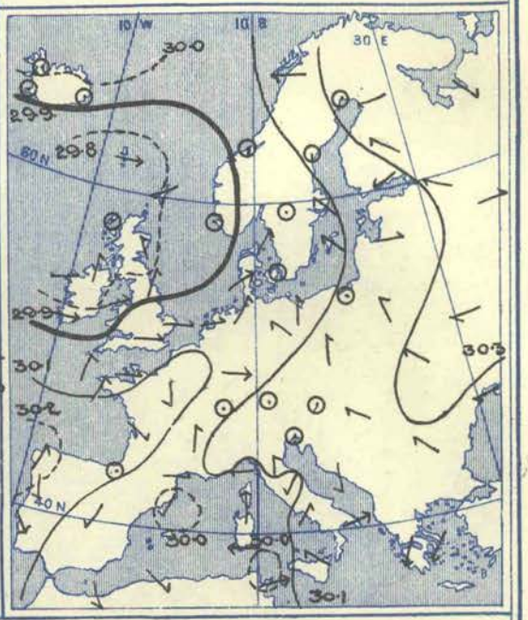
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled over the western countries, with rain in several parts of these Islands, France, and Scandinavia, as well as at Madrid and Seydisfjord. Fair to bright over the east and south of our area. Rain, in slight or moderate quantities, in most parts of these Islands later, and heavier amounts in Norway and France. An inch or more in many parts of the latter country, as much as 2·8 ins. at Cette and 3·4 ins. at Cape Sicié.

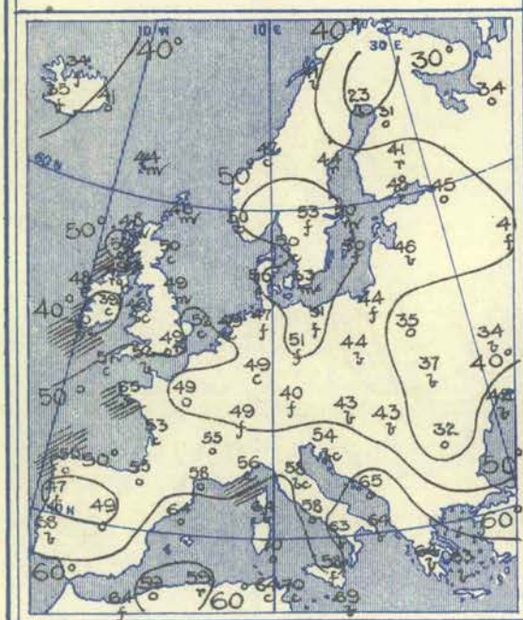
Temperature fallen in most regions. Readings in morning above 65° at many southern stations, but below 70° at all. Less than 40° at Munich and at many places in the east and north of our area. Maxima during day below 60° in most parts of these Islands and also in several localities in Germany and Austria, but above 70° over the major portion of Italy and as high as 82° at La Calle. Frost at night over the far north of our area and at Hermanstadt.

Wind mainly Westerly and of little strength over Ireland and the west of England, Southerly in the east of Great Britain, and Easterly in Iceland. Variable or Easterly winds prevailing over the Mediterranean, and Southerly breezes over Germany and the Baltic. No important change during day.

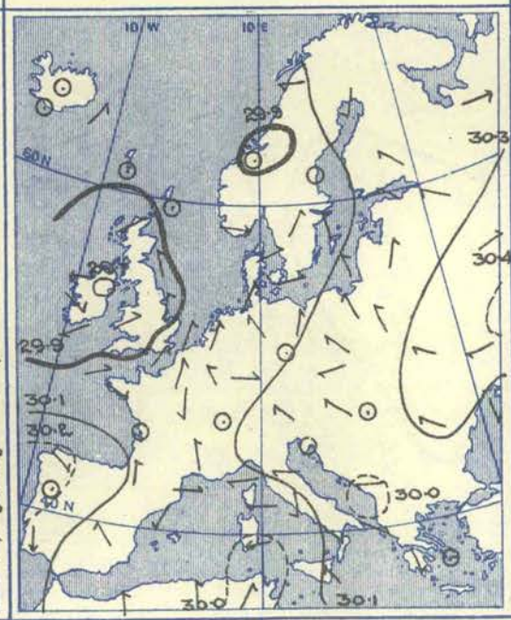
Barometer in morning above 30·4 ins. over the south of Russia, above 30·3 ins. in the north of Sweden and above 30·2 ins. over the north-west of Spain. Relatively low over central Spain, and below 29·7 ins. in a depression off the north-west of Scotland. Not much modification taking place later in the general distribution of pressure; a small secondary disturbance appearing over Ireland.

Wednesday, 23rd October, 1907.

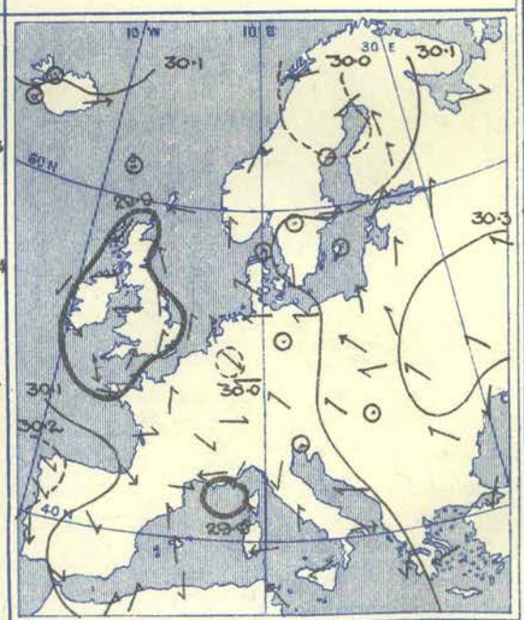
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with much cloud over the western countries and also in Finland, with rain in several localities. Fair or fine over the greater part of eastern and central Europe, but foggy in some districts. Rain experienced later in most British and Irish regions, and also over France and a considerable portion of southern Europe. As much as 1·4 in. at Nice, 1·5 in. at Mont Aigoual and Cagliari, and 3·0 ins. at Cette and Barcelona.

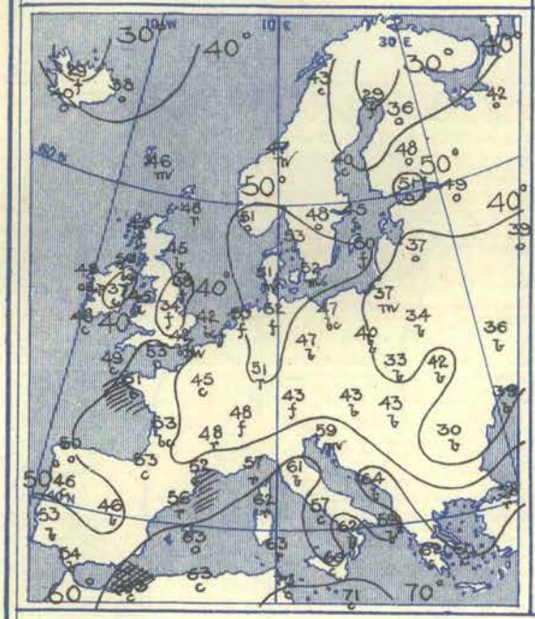
Temperature fallen generally. Readings in morning below the freezing point in the north of Norway and at Kharkoff, and below 50° over Europe as a whole, but increasing to above 60° at many stations in the Mediterranean region, and to 74° at Sfax. Maxima during day above 70° at nearly all stations in Italy and Algeria, but below 60° in most parts of central Europe and the United Kingdom. Frost at night in some parts of central England.

Wind in morning showing several partial or complete cyclonic movements over the western half of our area; high from East at Malin Head and strong from that quarter at Cagliari, but little force as a whole. Light anticyclonic airs prevailing over Russia and its vicinity. Wind falling light in the north of Ireland during day and shifting to the Westward.

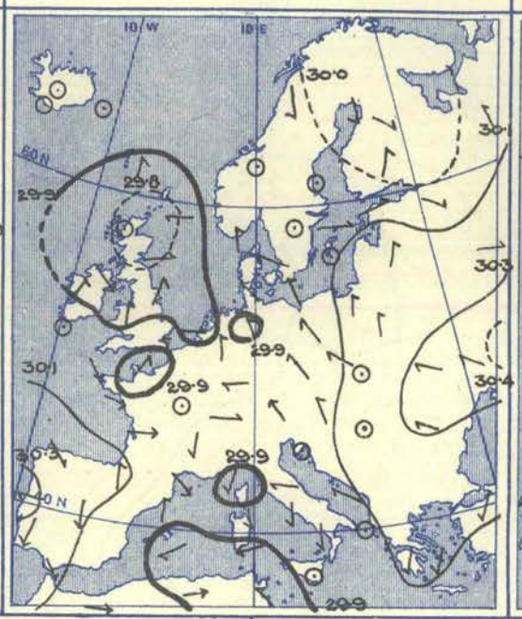
Barometer in morning above 30·4 ins. in an anticyclone over Russia; below 29·8 ins. in a depression over Ireland, and relatively low in a minimum near Christiansund and also in others over the south of our area. Pressure above 30·2 ins. in the west of the Spanish Peninsula. No change in the general distribution during day, and pressure changes very gradual over the whole of our area.

Thursday, 24th October, 1907.

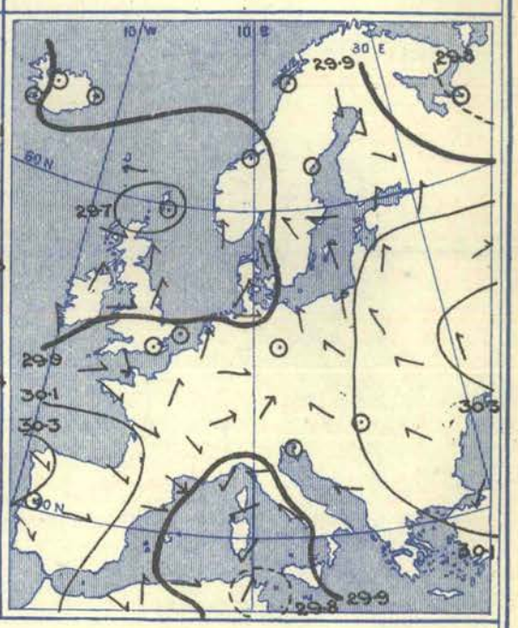
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Scotland and in some parts of Ireland, as well as at Bath, Frankfort, and in some localities in southern Europe. Fine, but with fog in places, over England, the Low Countries, and the central and eastern parts of our area. Rain falling later in most parts of these Islands, France, Italy, and Algeria. Amounts large in many southern regions; 1·3 in. at Nice, 1·7 in. at Turin and La Calle, and as much as 2·3 ins. at Algiers.

Temperature risen in the extreme north of Europe, fallen in nearly all other regions. Morning readings as low as 29° in the north of Sweden, 34° at Nottingham, and 30° at Hermanstadt. A little above or below 50° over the major portion of our area, and about 70° at some stations in the extreme south. Maxima during day above 70° at a few southern stations, but below 60° at nearly all localities in central Europe, and below 55° in places.

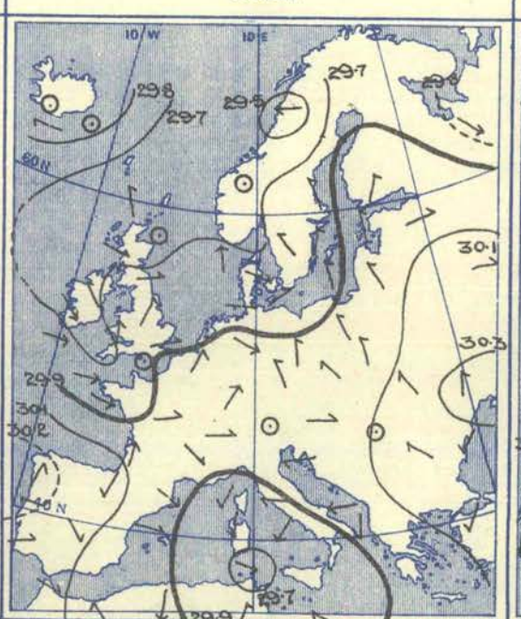
Wind in morning showing several cyclonic circulations of little strength over the western countries, and light anticyclonic airs both in the east and south-west of our area. No important change during day; force continuing very light generally.

Barometer in morning above 30·4 ins. in southern Russia and as high as 30·3 ins. in Portugal. Relatively low in a very large area covering these Islands, and extending thence to Iceland and across central Europe to the north of Africa. Several local minima both over the United Kingdom and on the Continent. Barometer falling later in Scotland and Norway, and a fresh fall setting in in Ireland.

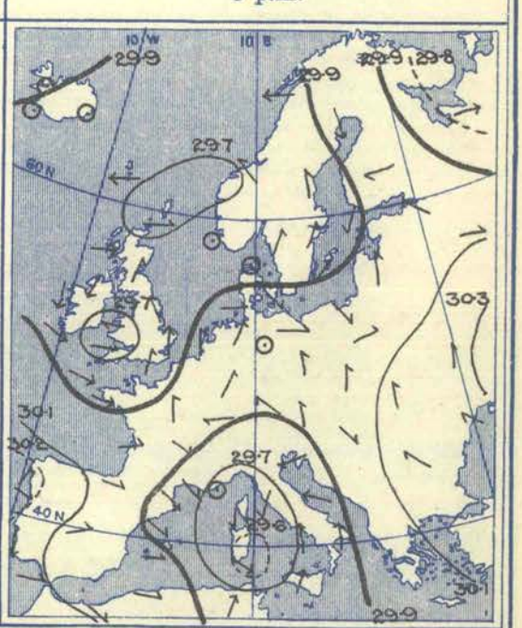
Friday, 25th October, 1907.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy and very unsettled in the west and north-west of these Islands, and foggy in central and south-eastern England. Rainy in some parts of Italy and at Hernösand and Fanö, and foggy in some German and Austrian localities; fine in most other regions. More or less rain experienced later over the western and southern parts of our area; measurements above an inch at some places in the south and south-west of France, in Italy, and at La Calle; largest amount 1·7 in. at Turin.

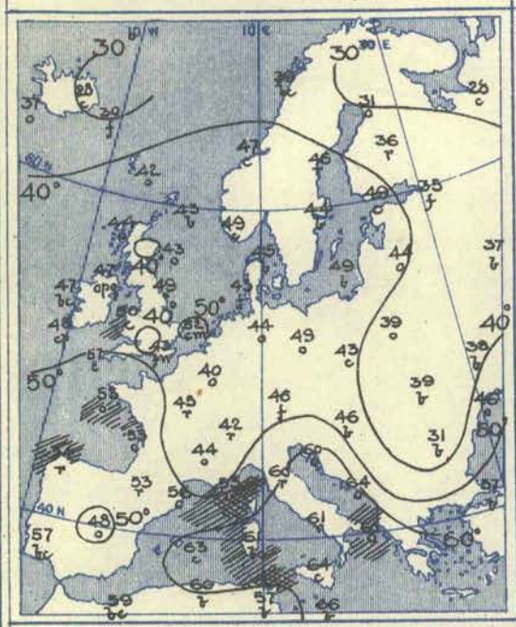
Temperature risen in Ireland, fallen or changed slightly and irregularly elsewhere. Readings in morning still above 60° at most stations in the Mediterranean region and above 70° at Malta. Below 40° in central England and in many parts of northern and eastern Europe, and as low as 31° at Haparanda and 24° at Kharkoff. Rising to 82° at Palermo during day and to 70° or slightly higher in a few other southern districts, but remaining below 55° over Germany and at most of our own stations.

Wind in morning North-Westerly in the west and south of Ireland, Westerly at Scilly, and Southerly to South-Easterly over England. Separate cyclonic circulations prevailing over the Mediterranean and the north of Scandinavia, and an anticyclonic movement over Russia. No force beyond a fresh breeze in any part of our area except at Algiers. Cyclonic circulations becoming more pronounced later both over these Islands and the Mediterranean, and some increase in force taking place in the latter region.

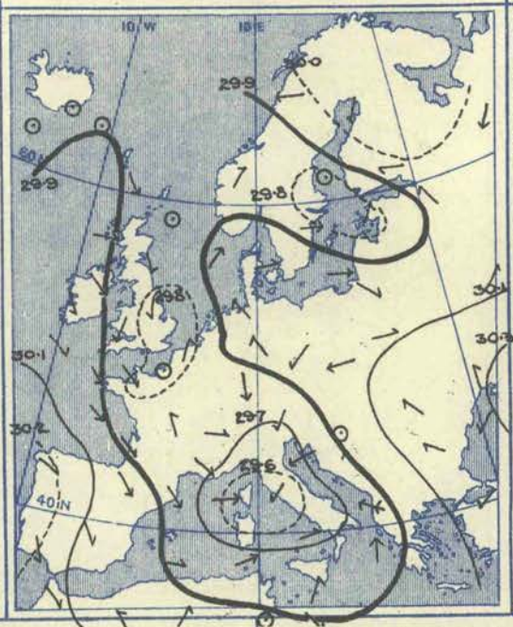
Barometer in morning above 30·3 ins. in an anticyclone over the southern districts of Russia, and above 30·2 ins. in a similar system over the north-west of the Spanish Peninsula. Below 29·7 ins. in a depression over Sardinia and in a "V-shaped" system over Ireland, and below 29·5 ins. in another disturbance in the north of Norway. Southern depression growing deeper during day, and that over Ireland moving eastwards and becoming much modified in form. High pressure systems maintaining their position and barometer rising in Ireland.

Saturday, 26th October, 1907.

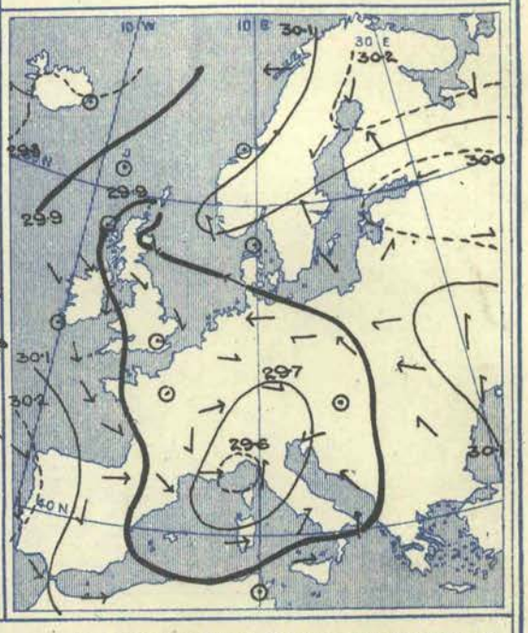
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy in London and at Oxford, and rainy at some of our western and northern stations, at Frankfort, in several parts of Spain, France, and Italy, as well as in Finland. Fine and bright over Algeria and Russia. A little rain later in various parts of these Islands, and heavy amounts in the south of France and the adjacent parts of Spain and Italy, as well as in Algeria. Largest measurements, 1·0 in. at Biarritz, 1·2 in. at Turin and Oran, 1·5 in. at Bilbao, and as much as 4·25 ins. at the Pic du Midi.

Temperature risen at many of our own stations and in southern Russia, fallen generally as a whole. Readings in morning as high as 66° at Malta and above 60° at various other southern stations; below 50° over our area generally, and less than 40° in many places. Frost prevailing in the extreme north of the Continent and in some places in Iceland. Thermometer remaining below 50° all day in some parts of central England and the east of Scotland, but touching 60° at Dungeness. Maxima above 70° at a few stations in the extreme south of our area.

Wind in morning showing three separate cyclonic circulations, the chief being over Italy and its neighbourhood. Northerly current fresh to strong over the Irish Sea and the St. George's Channel, and that from West fresh to high over the Mediterranean. Southerly and Easterly winds, strong to a gale, over the Adriatic. Scarcely any change during day.

Barometer in morning above 30·3 ins. in the south of Russia and not much lower in Portugal; below 29·8 ins. in depressions over England and the Gulf of Bothnia, and less than 29·6 ins. in a well-formed system having its centre near the Isle of Elba. Some modification taking place locally in the distribution later in day, but very little change occurring in the general situation. Southern depression moving north westwards and maintaining its form and depth. Barometer falling again in the west of Ireland by evening.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟩⟶ = a heavy gale; ⟩⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
October 20th, 1.22 p.m. to 2.0 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	51°	49°	48°	38°				One kite of specially strong construction flown from a very thick wire. Area of kite, 77 sq. ft. Wind velocity, 2.25 to 2.35 p.m., 51 miles per hr. at 3,000 ft. above sea level.
		Humidity	93%	93%	94%	80%				
		Wind Velocity, m. per hr.	S by E, —	S by E, 37	SSW, 39	SW, 39				
October 20th, 4.10 p.m. to 6.10 p.m.	Brighton, 380 ft.	Temperature F.	56°	49°						One kite, 40 sq. ft.; 5,250 ft. wire. Max. height, 2,800 ft.; temp. 46°. Fracto and alto cumulus not reached. Rain squall on E. horizon.
		Humidity	75%	85%						
		Wind Velocity, m. per hr.	SW by W, *25	SW, 45						
October 22nd, 9.47 a.m. to 10.44 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	51°	46°	39°	33°				One kite, 70 sq. ft.; 6,500 ft. wire. Sunny day with detached cumulus. Wind variable in direction.
		Humidity	85%	90%	95%	95%				
		Wind Velocity, m. per hr.	WSW, 12	WSW, 30	W by S, 38	W by S, 40				

* Estimated.

63, Victoria Street, London, S.W. *October 30th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 44. FORTY-FOURTH WEEK, ENDING SATURDAY, NOVEMBER 2ND, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—Over the Kingdom generally the sky was very cloudy and the conditions unsettled. Except in the north and west of Scotland and in the east of England rain was rather frequent, and occasionally heavy. As a rule the atmosphere was very humid, and misty or foggy intervals were experienced in places. Aurora was observed in the north and north-west of Scotland on the night of the 27th.

Temperature was above the mean except in Scotland N., the excess being more than 1° in most districts and 2°·3 in England N.E. The highest of the maxima occurred during the latter half of the week, and ranged from 64° in the Midland Counties to 57° in Scotland E. and W. and in England N.W. The lowest of the minima, which were registered on rather irregular dates, varied from 27° in Scotland N. to 34° in England S. and to 45° in the English Channel. The lowest grass temperatures reported were 21° at Newton Rigg and 25° at Balmoral, Birmingham, and Llangammarch Wells.

Mean Temperature of the Sea.—On most parts of the coast the water had a lower temperature than during the week preceding, the decrease being greatest (about 2°) off Cromarty, Lamlash, and Ballyglass. The actual figures ranged from 56°·1 at Plymouth and 55°·7 at the Shipwash Lightship to 47°·7 at Lerwick, and to 47°·5 at Cromarty.

Rainfall varied greatly. In the west and north of Scotland, the east of England, and the north of Ireland there was little, while in most other parts of the Kingdom there was an excess, that in the Midland Counties, England S.W. and Ireland S. being large. Several places in central and south-western England experienced falls of more than an inch within twenty-four hours; at Harrogate, 1·29 in. was measured on October 30th and 1·17 in. the following day, while at Scargill in the same neighbourhood the fall was heavier. At Falmouth on the 2nd the fall amounted to 2·19 ins.

Bright Sunshine was deficient in all districts except Scotland N., the divergence from the normal being large in most districts. The percentage of the possible duration ranged from 28 in the English Channel and 26 in Scotland N. to 10 in Scotland E. and Ireland S. to 7 in Ireland N.

Barometer and Wind.—The principal cyclonic system of the week lay off the west of Ireland on Sunday, its centre subsequently moving south-eastwards to Brittany, where it was shewn on Tuesday evening. It then crossed the Channel in a north-easterly direction, and at 8 a.m. on Wednesday lay near Southampton, thence moved north-westwards to South Wales and west south-westwards to the mouth of the Bristol Channel, and finally disappeared in a southerly direction. During the early stages of its progress the system apparently increased in depth, but on reaching Wales and the Bristol Channel it became much shallower. The general current of wind was between South-East and East, but it was more variable in direction in the immediate vicinity of the baric minimum. Occasional fresh or strong breezes were experienced on different parts of the coast, and on Friday night the Easterly wind became high in several localities, increased to a gale at Pembroke, and to a whole gale at Donaghadee. At the end of the week a gale was experienced on the coast of Norfolk.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 348.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual
	Rainfall ...	Very light	Moderate	Moderate	Light	Heavy	Moderate	Very light	Moderate	Heavy	Light	Heavy	Moderate
	Sunshine ...	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Very scanty	Very scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 9 weeks from Sept. 1st.	Warmth ...	5 * 1	3 * 1	7 * 1	6 * 0	4 * 1	5 * 0	5 * 1	4 * 1	4 * 0	5 * 1	4 * 2	6 * 0
	Rainfall ...	1 * 6	3 * 4	2 * 4	2 * 5	4 * 4	2 * 3	2 * 5	2 * 4	4 * 3	1 * 4	4 * 2	3 * 2
	Sunshine ...	4 * 1	3 * 2	3 * 1	3 * 3	3 * 2	4 * 4	1 * 3	2 * 0	3 * 3	1 * 5	1 * 6	2 * 1

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

6574/370 Wy. & S. Ltd. 11—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (44th)—October 27th to November 2nd, 1907.

DISTRICTS. (See p. 347.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	59	27	49·8	38·0	43·7	− 0·2	29	+ 3	11	0	3	− 3	0·24	−0·97	17	+ 4	26	+ 6
Eastern																		
1. SCOTLAND, EAST	57	30	49·4	40·1	44·6	+ 0·9	26	− 2	5	− 9	5	0	0·59	−0·06	6	− 9	10	−14
2. ENGLAND, N.E.	59	32	52·8	43·3	47·9	+ 2·3	41	+ 7	0	− 7	4	0	0·77	+0·11	9	− 5	14	− 8
3. ENGLAND, EAST	60	32	54·2	42·2	48·0	+ 1·7	42	+ 3	0	− 8	3	− 1	0·30	−0·31	10	− 10	14	−14
4. MIDLAND COUNTIES	64	32	53·0	41·6	47·1	+ 1·7	37	+ 1	1	− 9	4	0	1·23	+0·57	9	− 6	14	−10
5. ENGLAND, SOUTH	60	34	55·4	44·4	49·7	+ 1·7	54	+ 7	0	− 5	5	+ 1	0·97	+0·16	12	− 7	18	−10
Western																		
6. SCOTLAND, WEST	57	30	51·9	40·8	46·2	+ 0·6	34	0	3	− 5	2	− 3	0·18	−1·13	7	− 8	11	−12
7. ENGLAND, N.W.	57	32	52·3	43·3	47·7	+ 1·1	40	+ 2	0	− 6	4	− 1	0·72	−0·19	12	− 2	19	− 3
8. ENGLAND, S.W.	60	30	53·6	43·6	48·5	+ 0·3	46	− 2	0	− 4	6	+ 1	1·61	+0·51	11	− 7	17	−10
9. IRELAND, NORTH	58	32	51·9	44·2	47·9	+ 1·8	41	+ 5	0	− 7	4	− 1	0·23	−0·66	4	− 12	7	−19
10. IRELAND, SOUTH	59	31	53·5	44·2	48·7	+ 1·1	47	+ 1	0	− 6	6	+ 1	1·28	+0·31	7	− 12	10	−18
11. ENGLISH CHANNEL	61	45	56·7	49·3	52·9	+ 1·3	76	+ 9	0	0	6	+ 1	1·17	+0·22	19	− 2	28	− 3

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 9 Weeks, September 1st to November 2nd, 1907.

0. SCOTLAND, NORTH	87	26	*	*	*	*	503	+ 60	26	− 11	44	− 1	5·19	−4·57	215	+ 34	30	+ 5
Eastern																		
1. SCOTLAND, EAST	78	26	*	*	*	*	513	+ 25	14	− 35	34	− 3	6·86	+1·41	241	+ 37	34	+ 5
2. ENGLAND, N.E.	79	28	*	*	*	*	651	+ 79	1	− 22	31	− 2	5·30	+0·17	267	+ 59	37	+ 8
3. ENGLAND, EAST	81	31	*	*	*	*	765	+111	0	− 28	29	− 3	3·33	−1·79	283	+ 28	40	+ 4
4. MIDLAND COUNTIES	77	27	*	*	*	*	660	+ 63	5	− 32	29	− 3	6·24	+1·09	247	+ 23	34	+ 3
5. ENGLAND, SOUTH	78	30	*	*	*	*	818	+ 91	0	− 18	35	+ 4	6·53	+0·70	278	+ 19	39	+ 3
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	596	+ 60	6	− 22	35	− 2	7·81	−1·78	196	− 14	27	− 2
7. ENGLAND, N.W.	80	28	*	*	*	*	675	+ 65	0	− 17	32	− 3	6·03	−1·21	238	+ 24	33	+ 3
8. ENGLAND, SW	76	26	*	*	*	*	737	+ 46	0	− 13	37	+ 1	8·94	+0·91	269	+ 11	38	+ 2
9. IRELAND, NORTH	74	25	*	*	*	*	640	+ 75	4	− 17	38	− 3	6·06	−1·29	168	− 36	24	− 5
10. IRELAND, SOUTH	77	28	*	*	*	*	724	+ 80	6	− 12	41	+ 5	7·88	+0·83	188	− 50	26	− 7
11. ENGLISH CHANNEL	81	44	*	*	*	*	971	+ 96	0	0	37	− 2	8·71	+1·80	325†	+ 22	45	+ 3

THE YEAR.—Aggregates, &c., for the period of 44 Weeks, December 30th, 1906, to November 2nd, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1778	−161	548	− 32	225	+20	41·05	+2·33	1055	− 34	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1944	−324	613	− 24	178	+ 8	26·30	+2·34	1223	− 24	30	− 1
2. ENGLAND, N.E.	82	15	*	*	*	*	2493	− 29	502	+ 4	159	+ 6	19·93	−0·66	1399	+162	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2837	− 77	518	− 31	148	0	16·70	−3·65	1478	− 5	37	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2638	−195	545	− 25	158	+11	23·07	+1·19	1314	− 9	33	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	2957	−189	434	+ 35	140	+ 8	20·85	−1·09	1530	+ 27	39	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2305	−117	410	− 28	188	+11	40·98	+2·17	1182	−110	30	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2502	−175	418	+ 15	183	+20	29·41	+0·97	1291	− 23	33	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2720	−263	396	+ 82	182	+21	31·94	+1·23	1423	−122	36	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2373	−179	296	− 70	209	+16	33·40	+2·17	1118	− 77	28	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2849	− 81	262	− 15	204	+33	30·08	−2·17	1225	−120	31	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3350	−111	96	− 13	161	−11	23·46	−2·13	1659†	−121	42	− 3

† The corresponding values for some previous weeks have been altered owing to the receipt of further information.

October 27-November 2, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	50	40	48·7	41·7	45·1	+ 1·3	23	1	2	0·03	- 0·93	4·7	- 9·7	8	- 16
		Stornoway	55	35	50·9	38·4	44·5	+ 0·8	32	10	3	0·30	- 0·97	26·0	+ 11·2	42	+ 18
	Mainland.	Wick	52	35	49·7	40·3	44·9	+ 1·0	27	5	4	0·62	- 0·08	*	*	*	*
		†Lairg (Strathpeffer)	54	28	49·8	35·0	42·2	+ 1·0	31	20	5	0·28	- 0·59	15·3	- 1·0	24	- 2
		Glencarron	59	34	49·9	37·2	43·4	+ 0·9	30	13	2	0·24	- 1·88	*	*	*	*
		Fort Augustus	56	27	49·0	36·5	42·6	- 1·2	27	15	3	0·23	- 0·75	20·0	+ 9·6	32	+ 15
		Fort William (West Linton)	56	31	50·3	36·6	43·3	- 1·3	32	15	1	0·01	- 1·81	*	*	*	*
1. SCOTLAND, E.		Nairn	55	31	49·1	36·7	42·7	- 0·6	27	15	4	0·83	+ 0·29	10·5	—	16	—
		Aberdeen	53	43	50·9	44·3	47·5	+ 3·3	39	0	5	0·32	- 0·38	8·4	—	13	—
		†Balmoral (Crathes)	50	30	46·9	36·6	41·6	+ 1·5	14	21	6	0·50	- 0·39	6·1	- 11·9	10	- 19
		†Crieff (Balruddery)	52	31	49·1	37·6	43·2	- 0·2	27	12	5	0·39	- 0·58	4·2	—	7	—
		†Leith (Edinburgh)	57	35	51·1	43·4	47·1	+ 1·9	36	0	4	0·43	- 0·06	7·2	—	11	—
		Marchmont (Saltburn)	52	37	49·4	41·8	45·5	+ 2·7	25	1	7	1·07	+ 0·27	7·5	- 7·1	12	- 11
		†Alnwick Castle (Cockle Park)	53	34	50·4	42·8	46·5	+ 2·2	32	0	5	0·95	+ 0·15	3·4	- 12·3	5	- 19
2. ENGLAND, N.E.	Northern part.	†Shields (Newcastle)	53	40	51·0	43·3	47·0	+ 1·8	35	0	4	0·83	+ 0·21	5·0	—	8	—
		Durham	59	38	54·2	43·1	48·5	+ 4·7	46	0	4	1·12	+ 0·37	6·5	—	10	—
		Scarborough	55	41	53·1	45·7	49·3	+ 3·7	51	0	4	0·85	+ 0·15	8·4	- 9·0	4	- 14
		York	57	35	53·0	42·7	47·7	+ 3·0	40	0	5	1·14	+ 0·54	12·2	—	19	—
	Southern part.	Spurn Head	55	? 40	? 53·4	? 47·3	? 50·3	+ 3·8	58	0	?3	? 0·40	- 0·14	5·4	- 9·2	8	- 14
		†Lincoln (Skegness)	57	32	54·1	40·8	47·3	+ 2·5	42	3	3	0·37	- 0·15	*	*	*	*
		†Fulbeck (Rauceby)	57	32	53·2	40·3	46·6	+ 2·2	39	5	4	0·48	- 0·02	17·2	—	26	—
3. ENGLAND, E.	Northern part.	Hillington	56	35	52·5	41·0	46·6	+ 1·3	36	3	4	0·15	- 0·48	7·8	- 9·4	12	- 14
		†Yarmouth (Lowestoft)	56	38	53·9	43·7	48·7	+ 2·4	47	0	4	0·38	- 0·28	15·0	—	23	—
		Geldeston (Cromer)	60	33	55·0	41·9	48·3	+ 2·1	45	0	4	0·48	- 0·12	13·0	- 6·2	20	- 9
	Southern part.	Cambridge	59	34	55·1	41·1	47·9	+ 2·6	45	3	2	0·21	- 0·32	11·3	—	17	—
		Felixstowe	57	34	54·4	43·3	48·7	+ 1·7	47	0	1	0·18	—	8·7	- 10·3	13	- 15
		Clacton-on-Sea	57	41	54·9	45·1	49·9	+ 2·4	55	0	2	0·21	—	14·1	—	21	—
		Rothamsted	57	32	53·1	39·2	45·9	+ 1·3	39	8	5	0·49	- 0·18	9·4	—	14	—
		†Shoeburyness (Southend)												9·4	- 9·8	14	- 15
		London, Westminster (Dunmow)	58	39	54·9	42·1	48·3	+ 2·2	44	0	4	0·27	- 0·32	6·2	—	9	—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	54	40	50·2	42·3	46·1	+ 2·6	29	0	3	2·71	+ 2·01	6·0	- 5·3	9	- 8
		†Bawtry (Worksop)	64	35	58·6	41·6	49·9	+ 5·6	57	1	4	0·59	+ 0·06	6·2	—	9	—
		Nottingham	57	32	52·6	40·4	46·3	+ 1·3	37	4	4	0·48	- 0·06	13·1	- 2·2	20	- 3
		Birmingham, Edgbaston	55	36	51·7	42·7	47·1	+ 1·2	36	0	3	1·47	+ 0·85	2·2	—	3	—
		Oxford	58	34	53·7	40·1	46·7	+ 1·0	41	5	4	0·99	+ 0·41	1·8	—	3	—
	Western part.	†Cheadle (Sheffield)	54	35	50·6	41·9	46·1	+ 2·1	29	0	4	0·74	+ 0·04	11·2	- 7·0	17	— 11
		Shrewsbury	55	34	52·1	42·6	47·2	+ 1·1	36	0	5	1·40	—	4·8	—	7	—
		Hereford	56	36	52·3	42·0	47·0	+ 1·6	35	0	7	2·13	+ 1·52	*	*	*	*
		Cirencester	56	33	52·7	40·8	46·6	+ 2·2	37	3	5	1·06	+ 0·36	*	*	*	*
		Bath	57	32	55·3	41·3	48·1	+ 1·6	46	2	5	0·75	+ 0·05	15·2	- 3·0	23	- 5
5. ENGLAND, S.		Kew	57	36	54·7	42·0	48·2	+ 2·3	43	0	2	0·41	- 0·19	19·1	—	29	—
		Wisley, Surrey	58	35	54·8	40·8	47·6	+ 1·6	44	3	4	0·52	—	7·7	- 11·8	12	- 18
		†Swarraton (Ventnor)	57	34	54·8	40·9	47·6	+ 2·9	44	3	6	1·35	+ 0·55	9·6	- 6·8	14	- 10
		Tunbridge Wells	57	38	54·0	42·4	48·0	+ 2·7	42	0	4	0·83	+ 0·04	9·4	—	14	—
		†Dungeness (Littlestone)	60	37	56·6	47·0	51·7	+ 3·6	68	0	4	0·83	+ 0·04	6·4	- 13·3	10	- 20
		Hastings	58	41	55·8	47·3	51·4	+ 3·2	66	0	7	0·53	- 0·15	13·3	—	20	—
		Southampton	60	39	56·6	45·7	51·0	+ 3·3	63	0	5	0·91	+ 0·13	11·2	- 10·6	17	- 16
		†Portland Bill (Worthing) (Eastbourne)	58	45	56·0	48·9	52·4	+ 2·6	73	0	4	1·52	+ 0·72	18·1	- 1·8	27	- 3
6. SCOTLAND, W.		Laudale	57	33	51·4	38·0	44·5	- 0·8	34	11	5	1·72	—	12·0	—	18	—
		Poltalloch	*53*	*28*	*50·9*	*34·1*	*42·3*	- *0·7*	*35*	*22*	1	0·04	- 1·76	9·9	- 11·1	15	- 17
		Glasgow	55	33	49·8	40·8	45·2	+ 1·0	27	3	*3*	*0·19*	- *1·06*	*	*	*	*
		Rothesay	*54*	*33*	*51·0*	*41·0*	*45·9*	+ *2·5*	*32*	*3*	2	0·05	- 0·77	*	*	*	*
		Dumfries	55	31	52·1	39·9	45·8	+ 1·0	35	6	*2*	*0·12*	- *0·98*	*	*	*	*
		Cally	55	30	54·1	39·7	46·7	+ 2·4	43	6	4	0·18	- 0·74	*	*	*	*
		Douglas, Isle of Man	54	34	52·0	45·6	48·7	+ 2·2	47	0	3	0·27	- 0·89	*	*	*	*
7.	ENGLAND, N.W.	Aspatria	57	36	51·0	40·5	45·6	+ 1·3	32	4	2	0·35	- 0·75	9·4	- 9·2	15	- 14
		Newton Rigg	55	32	50·2	39·8	44·9	+ 1·8	30	6	1	0·60	- 0·34	19·6	—	30	—
		Stonyhurst	55	39	50·7	43·6	47·1	+ 2·6	36	0	2	0·51	- 0·37	12·3	- 3·1	19	- 5
		Blackpool	56	38	52·6	42·8	47·6	+ 1·7	39	0	3	0·41	- 0·67	9·6	- 5·6	15	- 9
		Manchester, Prestwich	57	35	51·7	42·3	46·9	+ 2·1	34	0	4	0·91	+ 0·04	11·0	- 5·2	17	- 8
		†Liverpool Obs. (Hoylake)	55	39	52·6	44·7	48·5	+ 2·1	46	0	4	0·58	- 0·27	6·6	- 4·7	10	- 7
		†Hawarden Bridge (Southport)	57	34	54·5	42·1	48·1	+ 1·3	43	0	5	0·49	- 0·24	19·2	—	29	—
	NORTH WALES	Llandudno	55	42	53·8	46·4	50·0	+ 1·8	56	0	5	0·87	+ 0·17	8·3	- 6·9	13	- 10
		†Holyhead (Aberdovey)	56	42	53·4	46·7	50·0	+ 1·5	56	0	4	0·81	- 0·03	14·2	- 1·8	22	3
		Bettws-y-Coed (Aberystwyth)	55	38	52·1	44·3	48·1	+ 0·3	43	0	3	0·64	- 0·36	11·5	—	17	—
											4	1·38	—	6·0	—	9	—
8.	SOUTH WALES	Llangammarch Wells	53	30	50·4	39·2	44·6	- 1·2	30	8	5	1·94	—	10·0	—	15	—
		Pembroke	56	41	53·7	45·1	49·3	+ 0·3	51	0	7	1·65	+ 0·73	3·6	—	5	—
		Cardiff	59	33	53·9	42·1	47·8	+ 0·9	41	0	6	1·07	+ 0·04	1·3	- 17·8	2	- 27
	ENGLAND S.W.	Clifton	55	38	53·4	43·3	48·2	+ 1·5	43	0	6	1·05	+ 0·22	12·7	—	19	—
		†Shaftesbury (Marlborough)	57	39	52·3	44·0	48·0	+ 2·7	42	0	3	2·00	+ 1·17	13·9	—	21	—
		†Arlington (Newquay)	57	37	53·0	43·4	48·1	+ 2·0	43	0	7	0·46	- 0·97	12·4	- 5·1	19	- 8
		Cullompton	58	33	54·9	41·8	48·2	+ 2·5	44	1	6	1·23	+ 0·33	12·9	- 8·5	19	- 13
		Plymouth	60	40	56·2	46·1	51·0	+ 2·2	63	0	5	1·70	+ 0·83	13·6	- 3·8	20	- 6
		Falmouth (Torquay)	57	43	54·7	47·3	50·9	+ 1·4	62	0	5	3·36	+ 2·18	19·0	- 1·3	28	- 2
														13·1	- 9·9	19	- 15
														17·5	- 2·5	26	- 4
9. IRELAND, N.	Western part.	Malin Head	56	39	51·0	44·1	47·5	+ 0·6	39	0	0	0·00	- 0·74	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	57	41	52·6	46·0	49·2	+ 1·3	50	0	6	0·34	- 0·86	*	*	*	*
		Markree Castle	58	32	52·0	43·7	47·7	+ 2·7	40	0	4	0·30	- 0·67	4·8	- 11·8	7	- 18
	Eastern part.	Armagh	55	36	51·0	42·8	46·8	+ 2·0	34	0	7	0·43	- 0·21	3·7	- 13·5	6	- 21
		Donaghadee	54	36	52·9	44·3	48·5	+ 2·1	46	0	4	0·33	- 0·37	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park)	55	36	53·1	46·3	49·6	+ 2·4	53	0	7	1·65	+ 1·02	2·4	- 18·4	4	- 28
		Kilkenny	56	31	52·9	42·1	47·3	+ 1·4	37	0	6	1·17	+ 0·47	*	*	*	*
		Waterford	56	33	54·1	44·1	49·0	+ 2·1	49	0	6	2·36	+ 1·46	*	*	*	*
	Western part.	Birr Castle	57	35	52·6	42·9	47·6	+ 2·4	39	0	5	0·58	- 0·11	5·3	- 13·3	8	- 20
		Foynes	55	40	52·8	43·8	48·2	+ 1·4	43	0	7	0·58	- 0·30	*	*	*	*
		Killarney	59	40	53·9	43·1	48·3	+ 0·6	44	0	7	0·73	-*0·56	*	*	*	*
		Valencia	59	41	55·0	44·9	49·8	+ 1·6	55	0	5	0·84	- 0·45	9·8	- 9·6	15	- 14
		†Roches Point (Ballinacurra)	55	39	53·4	46·0	49·6	+ 0·7	53	0	7	2·29	+ 1·29	8·8	—	13	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	57	48	56·3	49·3	52·7	+ 1·2	75	0	5	0·59	- 0·27	23·9	+ 1·8	35	+ 3
		†Jersey, St. Aubins (St. Heliers)	59	45	57·0	49·1	52·9	+ 2·0	76	0	6	1·47	+ 0·47	15·5	- 7·9	23	- 12
		Guernsey	61	46	56·8	49·5	53·0	+ 2·0	77	0	7	1·45	+ 0·30	16·7	- 3·3	25	- 5

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 10·9 hrs., 16 %; Brighton, 11·6 hrs. (- 10·2), 17 % (- 15 %); Bournemouth, 20·6 hrs., 31 %; Bognor, 15·5 hrs., 23 %; Rhyl, 16·5 hrs., 25 %; Tenby, 1·1 hrs. (- 18·6), 2 % (- 28 %).

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	48·8
	Crathes	1	30	47·2	49·2
	Balmoral	2	25	—	—
	Marchmont ..	0	31	45·7	—
2.	Cockle Park	1	30	46·3	48·2
	York	—	—	48·7	51·4
	Hull	0	33	47·1	52·0
	Lincoln	—	—	48·0	50·3
3.	Lowestoft	0	33	49·5	53·2
	Cambridge	3	27	49·1	52·9
	Dunmow				
	Clacton-on-Sea ..	1	27	51·6	54·7

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest readings.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	0	34	47·4	48·4
	Sheffield	1	29	47·6	50·8
	— — ..				
	Birmingham	3	25	47·7	50·4
	Nottingham	1	29	47·4	51·2
	— — ..				
5.	Kew	0	31	48·3	52·7
	Canterbury	1	30	49·9	54·0
	Portsmouth	0	34	51·4	54·5
	Wisley	1	30	48·9	52·5
6.	Glasgow	2	27	—	—
	Rothesay	—	—	—	49·4
	Dumfries	3	27	—	—
	Douglas	1	29	—	—

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	2	21	47·3	49·7
	Southport	2	28	46·6	50·7
	Manchester City ..				
	Bettws-y-Coed ..	0	36	47·3	50·0
	— — ..				
8.	Llangammarch Wells	2	25	48·5	51·5
	— — ..				
	Bath				
	Plymouth	0	35	50·5	—
9.	Armagh	1	28	47·9	51·5
	Markree Castle ..	1	27	—	—
10.	Dublin, Trin. Coll. ..	1	30	49·3	51·4
11.	Guernsey, Brooklyn	0	36	52·7	55 7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	47	47·7
	Kirkwall	50	46	48·4
	Wick	51	51	51·0
SCOTLAND, E.	Cromarty	49	46	47·5
	Pennan Bay	51	48	49·7
	Aberdeen, Cove Bay ..	49	47	48·5
ENGLAND, N.E.	Burnmouth, Berwick ..	50	49	49·8
	Scarborough	51	48	50·0
ENGLAND, E.	Shipwash Lightship ..	56	55	55·7
	Margate	55	53	53·9
ENGLAND, S.E.	Eastbourne‡	55	53	54·1

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	52	?43	49·5
	Ballantrae	50	47	48·0
ENGLAND, N.W.	Port Erin	53	52	52·2
ENGLAND, S.W.	Newquay	54	53	53·9
	Plymouth‡	57	55	56·1
	Salcombe	56	53	54·8
IRELAND, N.W.	Sheephaven	54	51	52·4
	Ballyglass	52	49	50·4
IRELAND, S.W.	Cleggan	52	50	51·0
	Seafield	54	49	51·7
IRELAND, E. . ..	Kingstown‡			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

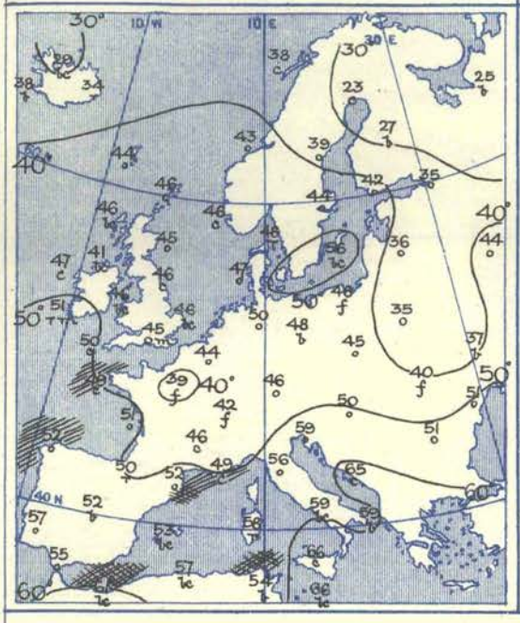
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

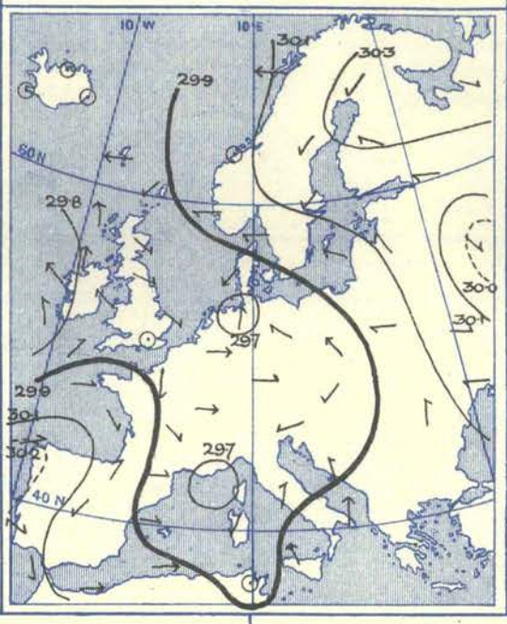
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 27th October, 1907.

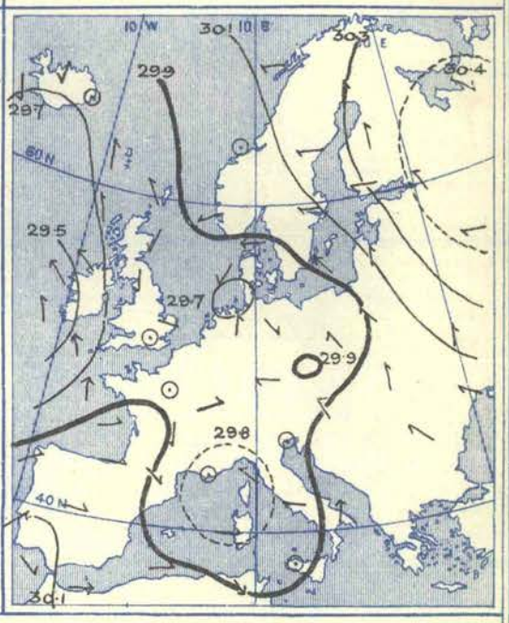
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in a few localities, but very cloudy or overcast as a whole, with rain in the south-western parts of Ireland and France and in some other parts of our area. Rain or snow falling in the east of Iceland. Heavy rain falling later in most parts of southern Europe and in some northern regions, and more moderate amounts in various parts of these Islands. Largest measurements 1·7 in. at Naples and 2·0 ins. at Sanguinaire.

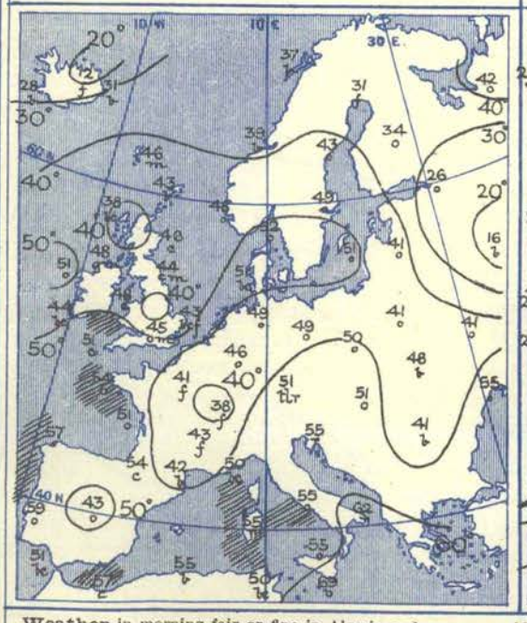
Temperature risen in several parts of central Europe and in the south of Russia, fallen generally. Readings in morning below 65° at nearly all the Mediterranean stations and only 49° at Nice; below 50° over our area generally, and less than 40° over large districts in the north and north-east. Sharp frost prevailing in Finland and its immediate neighbourhood. Maxima during day above 70° at a few places in the far south, but below 60° at some stations in the south of France, and also at Oporto and Madrid. Thermometer only touching 49° in London, and remaining below 55° over most of this country.

Wind in morning moderate from the Southward over Ireland and the west of Scotland, very light and variable over Great Britain as a whole, and light, anticyclonic, both in the south-west and north-east of our area. Two complete cyclonic circulations shown—one over Germany and the other over the western portion of the Mediterranean. Easterly current strong over Denmark. Southerly current extending more over these Islands during day and increasing somewhat in force.

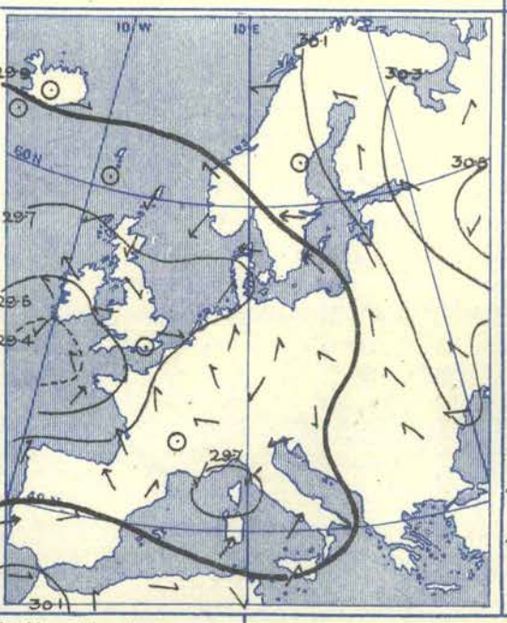
Barometer in morning above 30·3 ins. in an anticyclone in the far north and north-east of Europe, and above 30·2 ins. in another system extending from the ocean to Portugal. Below 29·7 ins. in a depression having its centre near Bremen, in another off the south of France, and in a third approaching the west of Ireland. Pressure remarkably uniform over Great Britain. German disturbance moving northwards later, and that in the west extending steadily over our Islands.

Monday, 28th October, 1907.

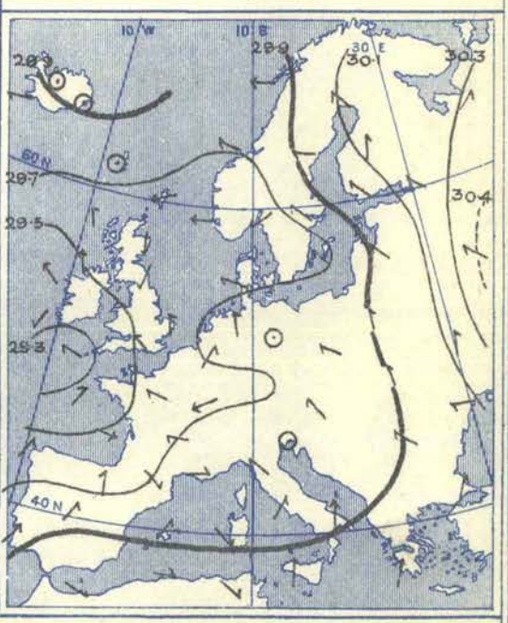
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in Algeria and over a considerable portion of eastern and northern Europe; cloudy or overcast in most other regions, with rain in several scattered localities, and a thunderstorm at Prague. Fog prevailing in Belgium and at various stations in France and Germany. Rain experienced later in these Islands, France, Italy, and the Spanish Peninsula, as well as in Scandinavia. Largest amounts 1·1 in. at La Coubre and 1·7 in. at Leghorn.

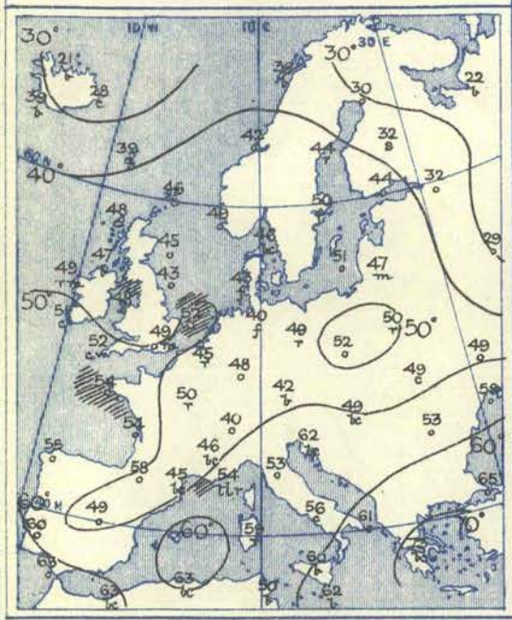
Temperature fallen quickly over central Russia and less decidedly in many other regions, risen in Finland and northern Russia. Readings in morning as low as 16° at Moscow and 26° at St. Petersburg; below 50° over a large part of the Continent, and no higher than 50° at Nice and Tunis. Below 60° over the Mediterranean region generally, but as high as 69° at Malta. Thermometer rising to above 70° at some of the most southern stations during day, but remaining below 65° in most regions, and only touching 51° at Turin. Maxima below 55° at most British and German stations.

Wind in morning South-Easterly over the south and west of Great Britain and in Ireland, and blowing freshly or strongly in places. Moderate to strong from the Eastward over the south of Scandinavia, and light from the Southward over Holland and Germany. A complete cyclonic circulation prevailing over the western portion of the Mediterranean, but no force beyond a fresh or strong breeze. Not much change over these Islands later, but winds over the Mediterranean becoming much modified.

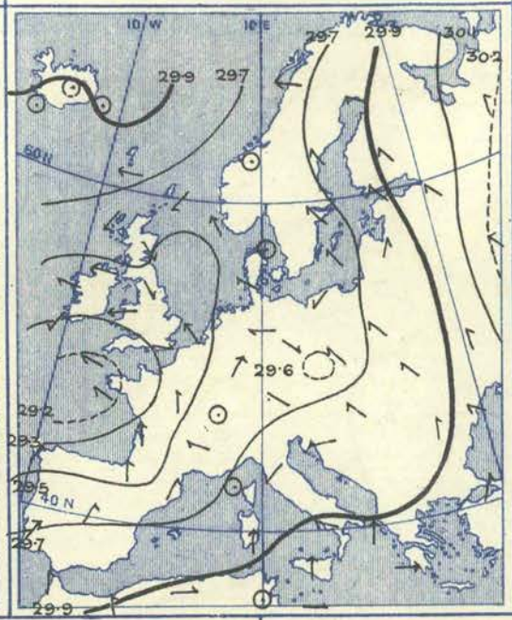
Barometer in morning ranging from above 30·5 ins. in an anticyclone over northern and central Russia to less than 29·7 ins. in a depression over the Gulf of Genoa, and to below 29·4 ins. in another system centred off our south-west coasts. Relatively low in a shallow disturbance over the North Sea. Southern depression almost disappearing by evening, and that off our own coasts moving very slowly south-eastwards and at the same time increasing somewhat in depth.

Tuesday, 29th October, 1907.

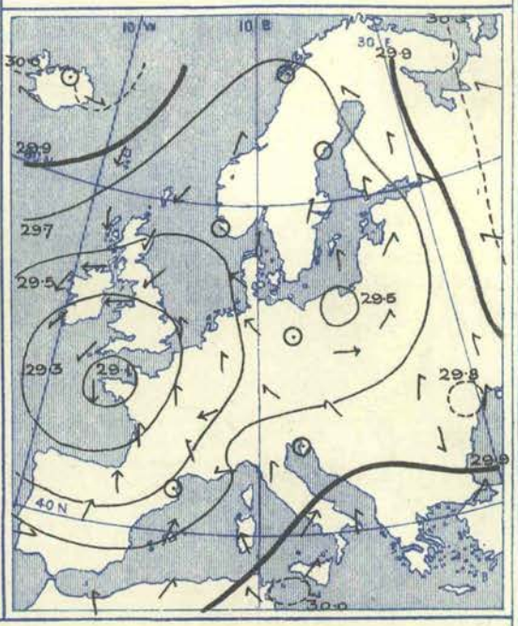
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria, Sicily, and Greece, as well as in the north of Norway and in Iceland. Overcast in nearly all other regions, with rain in places over southern and central Europe and in many parts of these Islands, and snow at Kuopio. More than 0·5 in. of rain falling subsequently at Stornoway and some of our southern stations, and as much as 1·1 in. at Portland Bill. Heavier falls occurring in France and northern Italy, and also at Trieste and Riga. Largest measurements, 3·1 ins. at Nice, 1·9 in. at Trieste, and 1·8 in. at Florence. Thunderstorms experienced at some French stations.

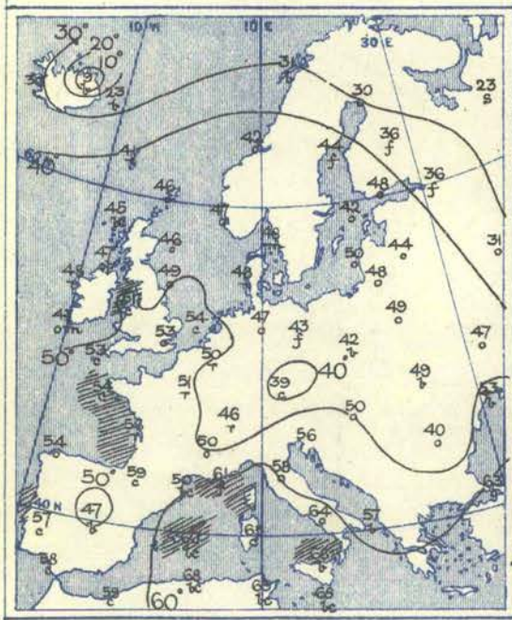
Temperature risen in most places, fallen quickly in the north of Russia. Readings in morning above 70° in Greece, but below 60° at most Mediterranean stations, and less than 50° over Europe as a whole. Sharp frost prevailing in Iceland and the north-east of our area. Rising during day to 70° or rather higher at a few stations in the far south and south-east, but failing to reach 60° over a large portion of central Europe, and remaining below 55° over nearly the whole of these Islands. Maximum at St. Petersburgh only 36°.

Wind in morning moderate to fresh from between South-East and East or North-East over England and Ireland, and from the Southward over the Bay of Biscay. Moderate to strong breezes from South-West or South prevailing over the western half of the Mediterranean, variable cyclonic breezes over central Europe, and light Southerly breezes over northern Europe. A complete cyclonic circulation of light to fresh winds later over these Islands, France, and the Bay of Biscay.

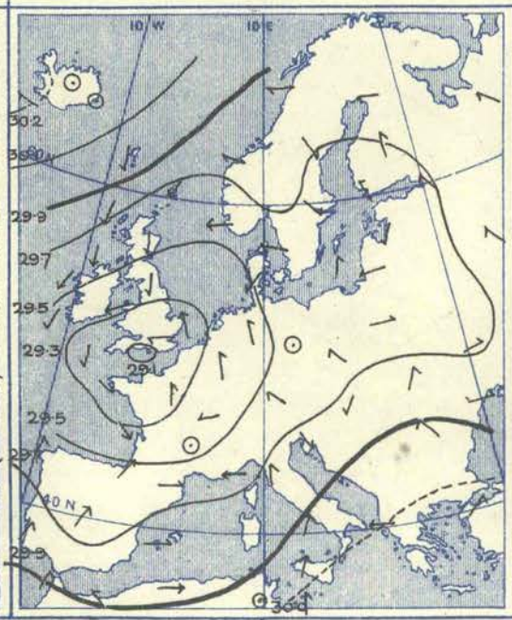
Barometer in morning ranging from above 30·2 ins. over Russia to 29·6 ins. in a small minimum near Breslau, and to below 29·2 ins. in a more important system off our south-west coasts. Latter disturbance moving to Brittany later in day, and subsequently crossing the Channel to the south of England. German depression moving slowly northwards. Very little modification taking place in the general distribution of pressure, and not much in the actual height of the barometer.

Wednesday, 30th October, 1907.

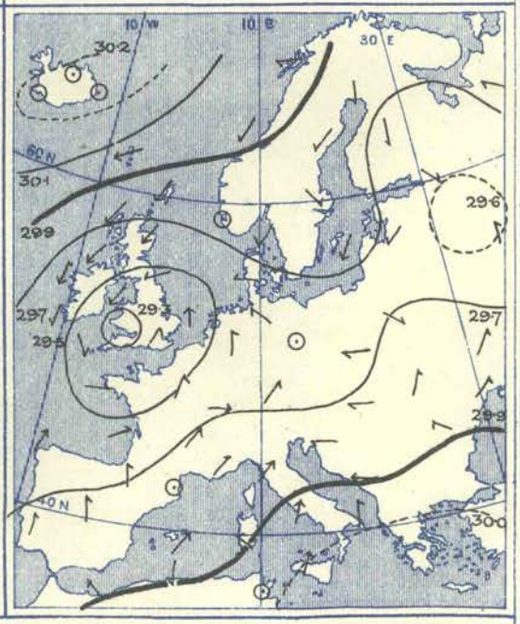
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled, with rain in many places over the United Kingdom, France, and the adjacent part of Italy; fair or fine in most other localities, but foggy at some stations in central and northern Europe, and snow falling at Archangel. More or less rain experienced later over our Islands and in most countries on the mainland, largest amounts 1·0 in. at St. Ann's Head, 0·5 in. at North Shields, nearly an inch at Riga, 0·7 in. in northern Italy, and 0·6 in. at Trieste.

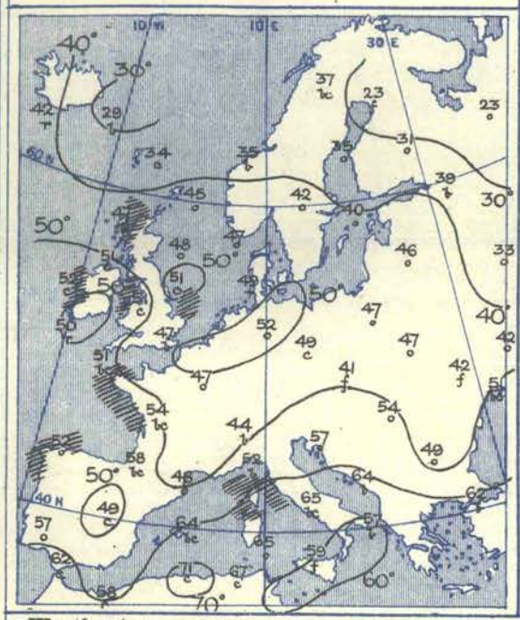
Temperature changed rather irregularly; risen over the Mediterranean region and in many English and Scottish localities, fallen in central Europe and Iceland. Readings in morning 68° at some stations in the far south, below 50° over our area generally, below the freezing point over a large part of Russia and in the north of Scandinavia, and as low as 9° at Grimstadir. Rising later to 81° at Algiers, and to between 70° and 80° in many other southern districts, but only touching 61° at Madrid, and remaining below 55° over a considerable portion of Austria and Germany, as well as at most of our own stations.

Wind in morning showing a very extensive cyclonic circulation over our Islands and the western countries of the Continent; North-Easterly current fresh or strong on our north-west and west coasts, and a strong North-Westerly breeze prevailing at Rochefort. Moderate to strong winds, mainly from some Westerly point, over the Mediterranean. No general change during day, but wind becoming high over the Irish Sea, and a gale from South-East reported at Toulouse.

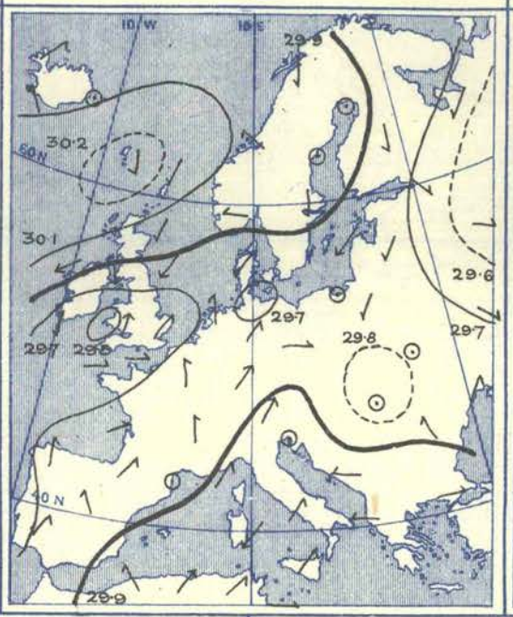
Barometer in morning above 30·1 ins. over Iceland and above 30·0 ins. in the south-east of our area; below 29·1 ins. in a large disturbance having its minimum near Southampton, and relatively low in some small secondary systems to the southward, and also over the Baltic Provinces of Russia. Main depression moving slowly north-westwards during day and westwards during the night. Gradients increasing somewhat over the northern parts of England and Ireland.

Thursday, 31st October, 1907.

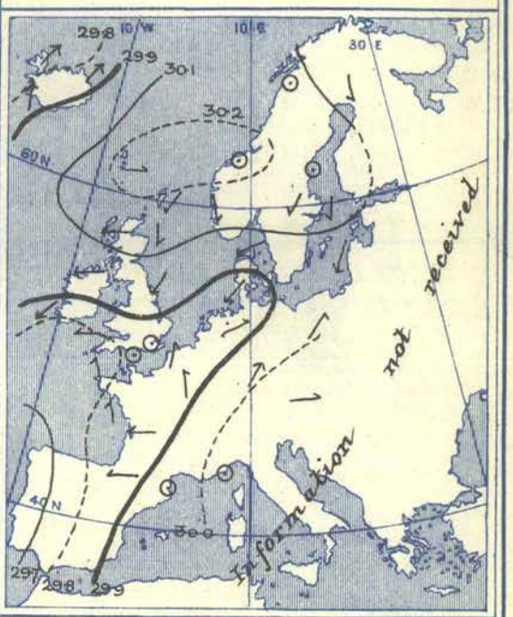
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled and mostly cloudy or dull over our Islands and their neighbourhood, with rain in places, but bright locally at some English stations. A good deal of cloud prevailing over our area generally, and rain falling at St. Petersburg, in Denmark, and at Lisbon, as well as at Reykjavik. Very fine during day in some districts in the south and south-west of England, as well as at a few places on our east coasts, but rain falling in several parts of the country. As much as 2·10 ins. measured at 6 p.m. at Harrogate, and 2·72 ins. at Scarvill.

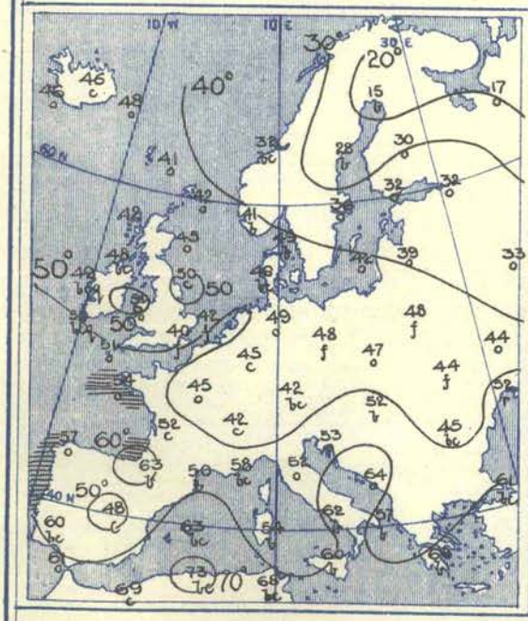
Temperature changed rather irregularly; risen in Iceland and most parts of central Europe, fallen in England and France. Readings in morning about 60° over the greater part of the Mediterranean region and as high as 71° at Algiers; below 50° over large tracts of the Continent and these Islands, and below freezing point in Finland and northern Russia. Rising to 70° at Biarritz during day, and to 60° or 61° at some stations on our south coast, but failing to reach that point over most of these Islands, Germany, and a large portion of France.

Wind in morning fresh to high from the North-Eastward over the northern parts of these Islands, and light or moderate from between West and South in the south and south-east. Light to moderate breezes from varying directions prevailing over the Mediterranean, and moderate Northerly breezes in most parts of northern Europe. Wind decreasing somewhat in force on our north-west coasts later, and increasing from South-West in Iceland.

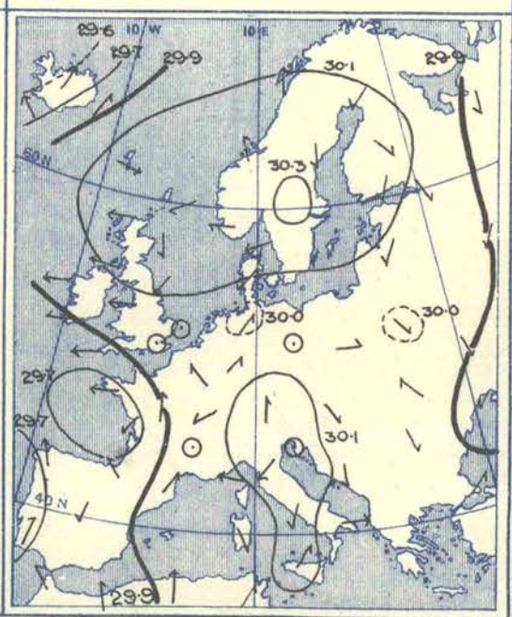
Barometer in morning above 30·2 ins. in an anticyclone having its maximum near Thorshavn; below 29·8 ins. in a depression over Hungary, less than 29·6 ins. in a large system over Russia, and below 29·5 ins. in a minimum over the St. George's Channel. Pressure giving way steadily in Iceland during day and high pressure system moving south-eastwards; western depression travelling away south-westwards and apparently continuing to become less deep.

Friday, 1st November, 1907.

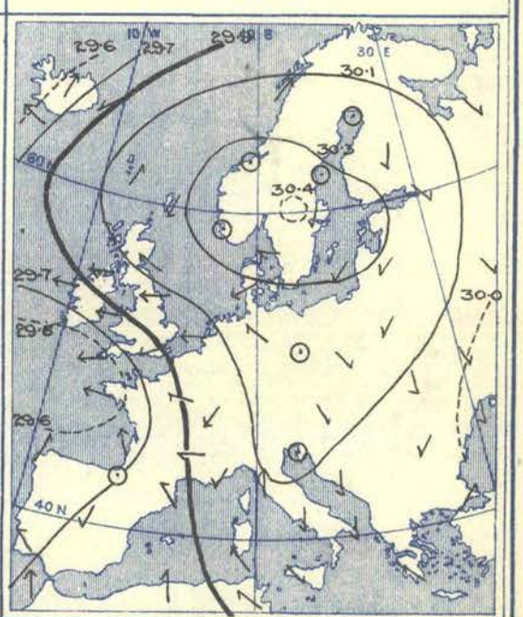
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of southern Europe, and also in the Scandinavian region; cloudy or dull elsewhere, with rain or passing showers at Nottingham, Oporto, Cracow, and in the south of Russia. Slight rain experienced later in many parts of these Islands and in scattered parts of the Continent, and as much as 0·9 in. at San Fernando.

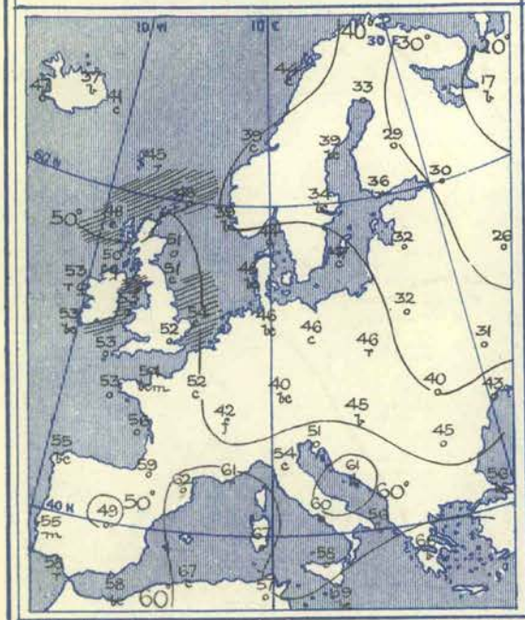
Temperature risen in Iceland and the south of France, fallen in most other regions. Readings in morning as high as 73° at Algiers and above 60° at several other southern stations. Below 50° generally, and below the freezing point in the north-east of our area. Lowest values 17° at Archangel and 15° at Haparanda. Maxima during day 86° at Algiers and about 80° at some other extreme southern stations, but less than 60° over most of central Europe, and no higher than 48° at Lemberg. Thermometer rising to about 55° in the south of our Islands.

Wind in morning showing a vast anticyclonic circulation over northern Europe, and a cyclonic movement over the Bay of Biscay and its neighbourhood; Easterly current fresh at some of our stations and high at Malin Head. A high wind from South-East also prevailing at Toulouse, and moderate to high winds from the South-Westward in Iceland. A moderate Southerly breeze blowing on the coast of Portugal, and moderate North-Westerly breezes in the Azores. Easterly current increasing in force over our Islands during day and blowing a gale on some western coasts at night.

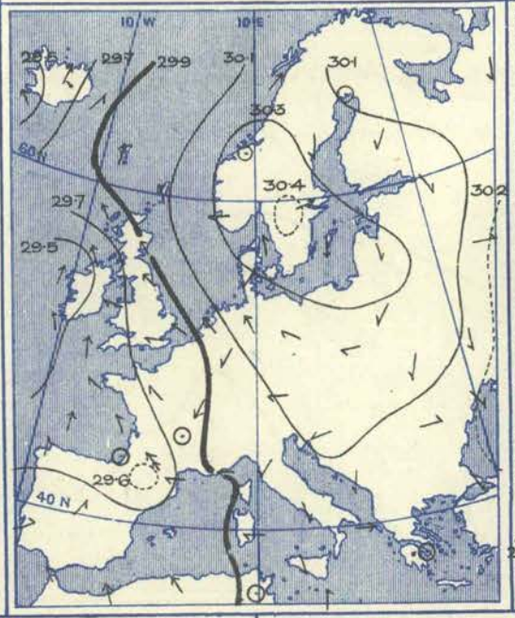
Barometer in morning ranging from above 30·3 ins. in a large anticyclone having its maximum over the south of Scandinavia to less than 29·7 ins. in a depression over the Bay of Biscay and in another system to the west of the Spanish Peninsula, and to below 29·6 ins. off the west of Iceland. Not much change in the general distribution during day. Bay disturbance moving northwards, and anticyclone in the north maintaining its position.

Saturday, 2nd November, 1907.

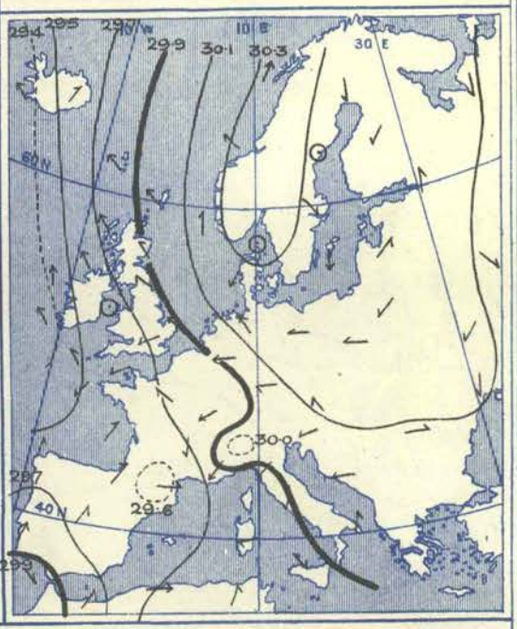
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast generally, but fair or fine in places. Rainy at Bilbao, Castlebay, Memel, and Hangö. Some rain later in Ireland and the west and south-west of England, and larger quantities in southern France, at Turin, the south of Spain, and also in the Baltic Provinces of Russia; largest measurements 1·5 in. at Turin and 1·4 in. at Nice.

Temperature risen over our Islands and in the north of the Continent, fallen in most other regions. Readings in morning ranging from 69° at Malta and above 60° at many other stations in the far south, to less than 50° generally, and to below 32° over most of Russia. Thermometer as low as 17° at Archangel. Rising later to 79° at La Calle, 76° at Palermo, 72° at Biarritz, and to nearly 70° in many southern regions. Maxima below 50° in Poland and some parts of Germany, and no higher than 34° at St. Petersburg, but above 55° at many of our own stations and as high as 60° at Dungeness.

Wind in morning moderate to high from the South-Eastward over the United Kingdom, and from the Southward in Iceland. A gale from South-East prevailing at Toulouse and a strong breeze from East at Cape Sicié. Light anticyclonic airs prevalent in the north-east and north of Europe. No material change later over our area as a whole, but South-East wind rising to a gale at Yarmouth, and winds becoming high from East and North-East on the south-east coast of France.

Barometer in morning above 30·3 ins. in a high pressure system over the southern half of Scandinavia and the Baltic region; below 29·5 ins. off the west of Ireland and also to the westward of Iceland. Gradients rather steep over the North Sea and our eastern and northern districts. Pressure decreasing during day in the south-west of Ireland and also in Iceland, but little modification occurring in the general distribution. A local depression over the south of France moving slowly eastwards.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres: Ground Level.	1,660 / 500	3,329 / 1,000	5,600 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
October 28th, 3.12 p.m. to 4.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	51°	45°	39°					One kite, 70 sq. ft.; 5,100 ft. wire. Max. height, 3,900 ft. Overcast. Wind changed from E to ESE with rain and fall of temp., 38° F. at 3,900 ft. Cloud level, 2,500 ft.
		Humidity	80%	95%	100%					
		Wind Velocity, m. per hr.	ESE, 10	ESE, 28	ESE, 30					
November 2nd, 9.45 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	54°	62°	[60°]					One kite, 50 sq. ft.; 4,000 ft. wire. Max. height, 3,000 ft. Sudden inversion, 54° to 62° at 1,500 ft. Very strong wind, 40 to 45 m. per hr., at 1,200 ft. Wind failed above. Upper clouds almost stationary.
		Humidity	85%	45%	[45%]					
		Wind Velocity, m. per hr.	E, 18	SE, 30	[SE, 25]					
November 2nd, 9.45 a.m. to 1.15 p.m.	Brighton, 380 ft.	Temperature F.	54°	60°	[59°]					One kite, 77 sq. ft.; 3,750 ft. wire. Max. height, 2,800 ft. Sharp inversion, 52° to 60° at about 1,000 ft. Overcast, with clouds of various types. None reached.
		Humidity	85%	50%	[50%]					
		Wind Velocity, m. per hr.	E, *25	SE, 30	[SE, 30]					
November 2nd, 3.55 p.m. to 4.25 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	52°	56°						Kite of specially strong construction flown from very thick wire. Area of kite, 45 sq. ft. Max. wind velocity, 50 m. per hr. at 1,300 ft. above sea. At 1,900 ft. above sea, Min. wind velocity 34 m. per hr. Max. temp. 59° F., and min. humidity, 48%.
		Humidity	87%	60%						
		Wind Velocity, m. per hr.	ESE, —	ESE, 42						

* Estimated.

63, Victoria Street, London, S.W. *November 6th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 45. FORTY-FIFTH WEEK, ENDING SATURDAY, NOVEMBER 9TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was generally of a rather changeable character, especially at the beginning and end of the week. About the middle of the period the conditions were more settled, but with an anticyclone hanging over the country the sky was mostly cloudy and the atmosphere foggy or misty.

Temperature was above the average in all districts excepting Ireland S., the excess amounting to more than 4° in England N.E. and to nearly 5° in England E. In the western and northern parts of the country the highest temperatures occurred in the early part of the week, chiefly on Sunday or Monday, when readings of 57° or 58° were recorded in most districts. Over eastern, central and southern England the highest readings were recorded on Saturday, the thermometer exceeding 60° in several places, and reaching a maximum of 64° at Geldeston. The lowest temperatures occurred at varying times in the latter half of the week. At the English stations the sheltered thermometer did not descend to the freezing point, but in Ireland it went slightly below it, while in Scotland N. and E. it sank to a minimum of 24°. The sharpest frost occurred on Wednesday night, when the thermometer on the grass fell to 19° at Balmoral, 21° at Crathes and 24° at Markree Castle.

Mean Temperature of the Sea was, with a few local exceptions, lower than in the preceding week. Along our west and south coasts the mean for the week was mostly above 50°, the highest values reported being 56°·2 at Plymouth, 54°·9 at Salcombe, and 54°·6 at Shipwash. On our north and north-east coasts the values decreased to 47°·0 at Lerwick and Ballantrae and to 46°·8 at Cromarty.

Rainfall was very deficient, especially in the north and west of Scotland, the south and east of England, and the English Channel district, where the total fall amounted to a very small fraction of the average.

Bright Sunshine was generally below the average, but exceeded it in Scotland N. and also in Ireland N. Less than 20 per cent. of the normal amount was recorded in nearly all districts, and less than 10 per cent. in the Midland Counties and in England N.E. and N.W. In Scotland N. the percentage was as high as 30°, and in Ireland N. it was as high as 31°.

Barometer and Wind.—At the commencement of the week the barometer was highest over the northern parts of the Continent, and lowest to the west and south-west of these Islands, the prevailing winds being, therefore, from the Southward or South-Eastward. After Monday an anticyclone extended over the United Kingdom from the Atlantic, and the winds shifted to some Northerly point—inclining to the North-Westward in the north, and to the North-Eastward in the south. With the advance of a depression towards our S.W. coasts on Friday the North-Easterly winds over England gradually gave place to light breezes from the Southward. At the close of the week, however, the depression was dispersing, an anticyclone was spreading in from the westward, and light breezes from the Northward were again becoming general.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 356.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Very light	Light	Light	Very light	Moderate	Light	Light	Moderate	Light	Light	Moderate	Light
	Sunshine ...	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Abundant	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 10 weeks from Sept. 1st.	Warmth ...	6 * 1	4 * 1	8 * 1	7 * 0	5 * 1	6 * 0	5 * 1	5 * 1	4 * 0	5 * 1	4 * 2	7 * 0
	Rainfall ...	1 * 7	3 * 5	2 * 5	2 * 6	4 * 4	2 * 4	2 * 6	2 * 4	4 * 4	1 * 5	4 * 2	3 * 3
	Sunshine ...	5 * 1	3 * 3	3 * 2	3 * 4	3 * 3	4 * 5	1 * 3	2 * 1	3 * 4	2 * 5	1 * 6	2 * 2

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

6588 370 Wy. & S. Ltd. 11—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature".will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (45th)—November 3rd to November 9th, 1907.

DISTRICTS. (See p. 355.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	24	49·8	39·0	44·5	+ 1·2	30	+ 7	8	− 4	4	− 1	0·29	−0·89	17	+ 7	30	+13
Eastern																		
1. SCOTLAND, EAST	58	24	50·3	40·2	45·3	+ 2·4	31	+ 7	5	− 12	4	0	0·33	−0·39	9	− 4	14	− 7
2. ENGLAND, N.E.	56	35	51·9	45·5	48·8	+ 4·2	48	+ 19	0	− 10	4	0	0·23	−0·35	4	− 9	6	−14
3. ENGLAND, EAST	64	37	54·1	45·7	49·9	+ 4·8	55	+ 22	0	− 11	2	− 2	0·06	−0·50	11	− 6	17	−10
4. MIDLAND COUNTIES	60	37	52·7	43·8	48·2	+ 3·9	43	+ 12	0	− 13	5	+ 1	0·39	−0·24	4	− 10	6	−15
5. ENGLAND, SOUTH	61	38	54·8	45·8	50·3	+ 3·4	58	+ 17	0	− 7	2	− 2	0·13	−0·64	11	− 5	17	− 8
Western																		
6. SCOTLAND, WEST	57	30	51·2	41·3	46·3	+ 1·4	33	+ 4	2	− 8	3	− 2	0·36	−0·98	10	− 2	16	− 3
7. ENGLAND, N.W.	57	34	51·9	44·1	48·0	+ 2·3	42	+ 9	0	− 7	4	− 1	0·30	−0·57	6	− 6	9	−10
8. ENGLAND, S.W...	58	36	53·1	44·6	48·9	+ 1·5	48	+ 8	0	− 5	4	− 1	0·60	−0·48	9	− 8	14	−12
9. IRELAND, NORTH	56	29	51·5	42·2	46·9	+ 1·6	34	+ 2	0	− 8	3	− 2	0·31	−0·65	19	+ 5	31	+ 7
10. IRELAND, SOUTH	58	31	51·2	41·3	46·3	− 0·5	33	− 8	2	− 5	4	− 1	0·68	−0·35	15	− 2	23	− 3
11. ENGLISH CHANNEL	59	46	56·0	49·6	52·8	+ 2·0	76	+ 14	0	0	5	0	0·20	−0·79	11	− 8	17	−13

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 10 Weeks, September 1st to November 9th, 1907.

0. SCOTLAND, NORTH	87	24	*	*	*	*	533	+ 67	34	− 15	48	− 2	5·48	−5·46	232	+ 41	30	+ 5
Eastern																		
1. SCOTLAND, EAST	78	24	*	*	*	*	544	+ 32	19	− 47	38	− 3	7·19	+1·02	250	+ 33	32	+ 4
2. ENGLAND, N.E...	79	28	*	*	*	*	699	+ 98	1	− 32	35	− 2	5·53	−0·18	271	+ 50	35	+ 6
3. ENGLAND, EAST	81	31	*	*	*	*	821†	+134	0	− 39	31	− 5	3·39	−2·20	294	+ 21	38	+ 3
4. MIDLAND COUNTIES.. ..	77	27	*	*	*	*	703	+ 75	5	− 45	34	− 2	6·63	+0·85	251	+ 13	32	+ 2
5. ENGLAND, SOUTH	78	30	*	*	*	*	876	+108	0	− 25	37	+ 2	6·66	+0·06	289	+ 14	37	+ 2
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	629	+ 64	8	− 30	38	− 4	8·17	−2·76	206	− 16	27	− 2
7. ENGLAND, N.W...	80	28	*	*	*	*	717	+ 74	0	− 24	36	− 4	6·33	−1·78	244	+ 18	31	+ 2
8. ENGLAND, SW	76	26	*	*	*	*	785	+ 54	0	− 18	41	0	9·54	+0·43	278	+ 3	36	0
9. IRELAND, NORTH	74	25	*	*	*	*	674	+ 77	4	− 25	41	− 5	6·37	−1·94	187	− 32	24	− 4
10. IRELAND, SOUTH	77	28	*	*	*	*	757	+ 72	8	− 17	45	+ 4	8·56	+0·48	203	− 51	26	− 7
11. ENGLISH CHANNEL	81	44	*	*	*	*	1047	+110	0	0	42	− 2	8·91	+1·01	335	+ 13	43	+ 2

THE YEAR.—Aggregates, &c., for the period of 45 Weeks, December 30th, 1906, to November 9th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1808	−154	556	− 36	229	+19	41·34	+1·44	1072	− 27	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	1975	−317	618	− 36	182	+ 8	26·63	+1·95	1232	− 28	30	− 1
2. ENGLAND, N.E.	82	15	*	*	*	*	2541	− 10	502	− 6	163	+ 6	20·16	−1·01	1403	+154	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2893†	− 54	518	− 42	150	− 2	16·76	−4·15	1489	− 11	37	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2681	−183	545	− 38	163	+12	23·46	+0·95	1318	− 18	33	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3015	−172	434	+ 28	151	+ 6	20·98	−1·73	1541	+ 22	38	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2338	−113	412	− 36	191	+ 9	41·34	+1·10	1192	−112	29	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2544	−166	418	+ 8	187	+19	29·71	+0·40	1297	− 29	32	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2768	−255	396	+ 77	186	+20	32·54	+0·75	1432	−129	36	− 3
9. IRELAND, NORTH	81	16	*	*	*	*	2407	−177	296	− 78	212	+14	33·71	+1·52	1137	− 73	28	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2882	− 89	264	− 20	208	+32	30·76	−2·52	1240	−122	31	− 3
11. ENGLISH CHANNEL	81	21	*	*	*	*	3426	− 97	96	− 13	166	−11	23·66	−2·92	1669	−130	42	− 3

† The corresponding figures for last week slightly altered owing to receipt of further information.

November 3-9, 1907.			Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
Districts		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	50	38	49·3	43·9	46·6	+ 3·5	32	0	6	0·82	- 0·12	13·5	+ 1·5	24	+ 3
		Stornoway	54	31	51·0	39·1	45·1	+ 2·1	34	8	~~4~~ 5	~~0·14~~ 0·22	- 1·12	19·7	+ 7·4	34	+ 13
	Mainland.	Wick	54	29	50·0	40·7	45·4	+ 2·5	29	4	4	0·32	- 0·35	*	*	*	*
		†Lafrg (Strathpeffer) ..	55	24	49·7	35·9	42·8	+ 2·6	31	17	6	0·12	- 0·75	22·2	+ 8·5	38	+ 14
		Glencarron	57	28	48·6	37·7	43·2	+ 1·5	26	12	5	0·38	- 1·72	*	*	*	*
		Fort Augustus	56	26	50·7	37·4	44·1	+ 1·2	34	13	2	0·04	- 0·94	14·2	+ 6·1	24	+ 10
		Fort William	56	26	49·6	38·3	44·0	+ 0·3	30	10	4	0·23	- 1·64	*	*	*	*
		(West Linton)												5·1	—	9	—
1. SCOTLAND, E.		Nairn	57	27	50·0	38·6	44·3	+ 2·1	30	10	3	0·49	- 0·05	20·6	—	35	—
		Aberdeen	53	37	50·4	43·0	46·7	+ 3·6	33	0	4	0·24	- 0·49	2·5	- 13·1	4	- 22
		†Balmoral (Crathes) ..	58	24	49·6	33·7	41·7	+ 2·4	21	35	5	0·28	- 0·61	7·8	—	13	—
		†Crieff (Balruddery) ..	57	31	49·8	39·2	44·5	+ 2·1	29	8	3	0·39	- 0·61	11·8	—	20	—
		†Leith (Edinburgh)	58	39	52·1	45·0	48·6	+ 4·4	46	0	4	0·23	- 0·28	4·3	- 8·4	7	- 14
		Marchmont	55	38	50·1	41·6	45·9	+ 4·1	29	1	4	0·37	- 0·43	4·3	- 9·7	7	- 16
		(Saltburn)												7·9	—	13	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	54	35	51·6	43·8	47·7	+ 4·2	40	0	5	0·18	- 0·63	4·9	—	7	—
		†Shields (Newcastle)	54	35	51·6	43·9	47·8	+ 3·6	41	0	5	0·25	- 0·32	4·7	- 5·1	8	- 8
		Durham	55	35	50·7	42·9	46·8	+ 4·0	34	0	5	0·31	- 0·41	2·8	- 11·9	5	- 19
		Scarborough	54	45	52·5	46·5	49·5	+ 4·9	53	0	3	0·21	- 0·46	4·4	—	7	—
		York	56	45	53·4	47·4	50·4	+ 6·6	59	0	6	0·24	- 0·34	5·8	- 6·2	9	- 10
	Southern part.	Spurn Head	53	48	52·1	49·1	50·6	+ 5·2	60	0	2	0·09	- 0·40	*	*	*	*
		†Lincoln (Skegness)	55	44	52·2	45·9	49·1	+ 5·4	50	0	4	0·30	- 0·14	4·0	—	6	—
		†Fulbeck (Rauceby)	56	42	51·4	44·7	48·1	+ 4·7	43	0	4	0·25	- 0·25	1·3	—	2	—
3. ENGLAND, E	Northern part.	Hillington	59	37	53·7	41·6	47·7	+ 3·7	42	1	3	0·25	- 0·37	8·6	- 6·5	14	- 10
		†Yarmouth (Lowestoft) ..	55	46	53·1	48·6	50·9	+ 5·9	62	0	2	0·11	- 0·53	17·9	—	28	—
		Geldeston	64	38	55·2	43·3	49·3	+ 4·4	51	0	4	0·05	- 0·55	15·5	- 1·6	25	- 3
		(Cromer)												12·5	—	20	—
	Southern part.	Cambridge	61	41	54·5	44·6	49·6	+ 5·6	53	0	0	0·00	- 0·50	6·7	- 9·8	11	- 15
		Felixstowe	59	45	53·9	47·7	50·8	+ 5·0	62	0	1	0·02	—	13·5	—	21	—
		Clacton-on-Sea	59	45	54·0	47·7	50·9	+ 4·9	62	0	1	0·01	—	13·0	—	20	—
		Rothamsted	56	43	52·5	44·4	48·5	+ 4·9	46	0	5	0·06	- 0·58	6·6	- 10·2	10	- 16
		†Shoeburyness (Southend) ..	59	44	54·1	46·4	50·3	+ 4·0	58	0	1	0·01	- 0·50	11·7	—	18	—
		London, Westminster	62	45	55·7	47·3	51·5	+ 6·5	67	0	2	0·02	- 0·54	6·9	- 1·9	11	- 3
		(Dunmow)													—		—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	54	41	50·0	43·8	46·9	+ 4·1	34	0	6	0·33	- 0·32	5·8	—	9	—
		†Bawtry (Worksop)	60	42	58·1	44·6	51·4	+ 8·0	66	0	4	0·36	- 0·12	3·6	- 9·4	6	- 15
		Nottingham	57	41	52·7	44·1	48·4	+ 4·6	45	0	5	0·19	- 0·31	2·4	—	4	—
		Raunds	*57*	*37*	*52·8*	*43·6*	*48·2*	—	*43*	*0*	*4*	*0·04*	—	*	*	*	*
		Birmingham, Edgbaston ..	55	40	51·2	44·6	47·9	+ 3·7	41	0	2	0·19	- 0·41	0·9	—	1	—
		Oxford	59	40	53·7	43·3	48·5	+ 3·9	46	0	3	0·05	- 0·50	4·1	- 11·8	6	- 18
	Western part.	†Cheadle (Sheffield)	55	38	51·3	43·7	47·5	+ 4·6	39	0	6	0·78	+ 0·08	3·8	—	6	—
		Shrewsbury	55	37	51·4	42·8	47·1	+ 2·1	36	0	5	0·29	—	*	*	*	*
		Hereford	55	39	51·4	44·0	47·7	+ 3·3	40	0	6	0·84	+ 0·24	*	*	*	*
		Cirencester	55	37	52·2	42·7	47·5	+ 4·2	39	0	4	0·35	- 0·35	5·2	- 10·2	8	- 16
		Bath	59	37	54·6	43·9	49·3	+ 3·6	51	0	5	0·48	- 0·22	5·3	—	8	—
		(Margate)												15·2	- 2·0	24	- 3
5. ENGLAND, S.		Kew	60	43	54·6	45·8	50·2	+ 5·3	57	0	2	0·05	- 0·51	10·2	- 3·8	16	- 6
		Wisley, Surrey	61	43	54·3	45·1	49·7	+ 4·5	54	0	3	0·04	—	10·9	—	17	—
		†Swarraton (Ventnor) ..	60	38	54·1	43·2	48·7	+ 5·0	47	0	4	0·12	- 0·65	10·0	- 9·3	15	- 14
		Tunbridge Wells	61	42	53·6	44·3	49·0	+ 4·7	49	0	2	0·17	- 0·60	10·2	- 7·6	16	- 12
		†Dungeness (Littlestone) ..	59	44	55·1	47·1	51·1	+ 4·3	64	0	1	0·01	- 0·63	14·6	—	23	—
		Hastings	58	45	55·0	46·9	51·0	+ 4·2	63	0	0	‡0·01	- 0·76	11·9	- 7·5	18	- 12
		Southampton	61	43	56·0	45·7	50·9	+ 4·4	62	0	3	0·13	- 0·67	8·0	- 9·5	13	- 15
		†Portland Bill (Worthing) ..	58	44	55·4	48·4	51·9	+ 3·3	69	0	3	0·52	—	12·7	—	20	—
		(Eastbourne)												14·2	- 4·2	22	- 7
6. SCOTLAND, W.		Laudale	56	30	49·7	39·3	44·5	- 0·1	29	8	4	0·60	- 1·25	*	*	*	*
		Poltalloch	*54*	*26*	*51·7*	*37·7*	*44·7*	+ *0·7*	*37*	*12*	*4*	*0·22*	- *1·04*	*	*	*	*
		Glasgow	56	36	49·9	43·0	46·5	+ 3·2	32	0	2	0·17	- 0·66	8·8	- 0·3	15	- 1
		Rothesay	*57*	*31*	*51·6*	*40·4*	*46·0*	+ *1·6*	*35*	*4*	*5*	*0·43*	- *0·68*	*	*	*	*
		Colmonell	*57*	*31*	*52·0*	*41·2*	*46·6*	—	*36*	*2*	*3*	*0·52*	—	*	*	*	*
		Dumfries	56	38	51·0	43·0	47·0	+ 3·2	35	0	3	0·37	- 0·55	*	*	*	*
		Cally	55	32	52·8	39·2	46·0	+ 2·6	40	8	3	0·33	- 0·87	*	*	*	*
		Douglas, Isle of Man	57	36	52·5	42·0	47·3	+ 1·6	37	0	3	0·31	- 0·79	10·9	- 5·6	18	- 9
7.	ENGLAND, N.W.	Aspatria	57	39	51·7	43·1	47·4	+ 4·0	38	0	3	0·30	- 0·64	9·2	—	15	—
		Newton Rigg	53	41	50·4	42·8	46·6	+ 4·6	32	0	4	0·45	- 0·42	9·7	- 4·0	16	- 7
		Stonyhurst	54	40	51·1	44·2	47·7	+ 4·1	40	0	3	0·19	- 0·87	7·0	- 6·1	11	- 10
		Blackpool	56	37	51·9	43·3	47·6	+ 2·8	39	0	4	0·27	- 0·57	8·6	- 5·2	14	- 8
		Manchester, Prestwich ..	54	40	51·5	43·5	47·5	+ 3·6	39	0	4	0·24	- 0·56	2·7	- 6·6	4	- 11
		†Liverpool Obs. (Hoylake) ..	54	43	51·6	45·6	48·6	+ 3·2	46	0	3	0·30	- 0·37	3·4	—	5	—
		†Hawarden Bridge (Southport)	? 56	43	53·9	45·1	49·5	+ 3·5	53	0	3	0·38	- 0·26	6·2	- 6·7	10	- 11
	NORTH WALES	Llandudno	56	41	52·9	46·0	49·5	+ 2·3	53	0	4	0·33	- 0·47	2·8	- 11·7	4	- 19
		†Holyhead (Aberdovey) ..	55	40	52·1	46·4	49·3	+ 1·7	51	0	4	0·32	- 0·65	9·1	—	14	—
		Bettws-y-Coed	56	34	51·7	40·9	46·3	- 0·6	35	3	5	0·24	—	0·9	—	1	—
		(Aberystwyth)												9·0	—	14	—
8.	SOUTH WALES	Llangammarch Wells	54	36	51·4	41·8	46·6	+ 2·4	33	1	5	0·28	—	1·7	—	3	—
		Pembroke	56	41	54·4	46·0	50·2	+ 2·0	57	0	4	0·67	- 0·24	15·3	- 1·7	24	- 3
		Cardiff	57	36	53·1	43·3	48·2	+ 2·3	43	0	4	0·85	- 0·13	8·3	—	13	—
	ENGLAND S.W.	Clifton	55	39	52·4	44·3	48·4	+ 2·7	45	0	4	0·76	- 0·02	1·6	—	3	—
		†Shaftesbury (Marlborough)	55	43	52·2	44·5	48·4	+ 4·1	45	0	5	0·47	- 0·34	3·2	- 12·0	5	- 19
		†Arlington (Newquay)	57	40	53·1	44·3	48·7	+ 3·6	47	0	4	0·30	- 1·09	17·4	- 2·2	27	- 3
		Cullompton	56	40	53·5	43·6	48·6	+ 3·8	46	0	4	0·69	- 0·19	5·6	- 9·8	9	- 15
		Plymouth	58	42	54·6	47·4	51·0	+ 3·3	63	0	4	0·72	- 0·14	12·0	- 6·0	19	- 9
		Falmouth	57	40	53·4	46·6	50·0	+ 1·3	56	0	5	0·64	- 0·54	8·7	- 11·9	13	- 18
		(Torquay)												6·7	- 11·1	10	- 17
9. IRELAND, N.	Western part.	Malin Head	56	41	51·0	45·6	48·3	+ 2·3	44	0	1	0·01	- 0·73	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	53	36	51·1	42·7	46·9	+ 0·2	34	0	4	0·80	- 0·40	*	*	*	*
		Markree Castle	55	29	51·4	36·5	44·0	0·0	37	15	3	0·41	- 0·55	21·6	+ 6·7	35	+ 11
	Eastern part.	Armagh	56	34	51·6	40·6	46·1	+ 2·4	35	4	3	0·06	- 0·60	16·8	+ 1·4	27	+ 2
		Donaghadee	56	40	52·6	45·6	49·1	+ 3·5	50	0	3	0·27	- 0·45	*	*	*	*
	Eastern part.	†Dublin, City (Phœnix Park) ..	56	36	50·9	42·7	46·8	+ 0·4	34	0	2	0·26	- 0·37	9·3	- 9·5	15	- 15
		Kilkenny	56	32	49·4	40·1	44·8	- 0·3	28	5	5	0·76	+ 0·06	*	*	*	*
								+ 0·1	32	3	3	1·16	+ 0·24	*	*	*	*

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	48·3
	Crathes	3	21	46·8	48·6
	Balmoral	4	19	—	—
	Marchmont ..	0	32	46·3	—
2.	Cockle Park	1	30	47·1	48·0
	York	—	—	49·7	50·8
	Hull	0	37	48·3	51·4
	Lincoln	—	—	48·9	51·0
3.	Lowestoft	0	37	50·2	52·4
	Cambridge	0	32	49·5	52·1
	Dunmow				
	Clacton-on-Sea ..	0	39	51·7	54·0
4.	Harrogate	0	35	48·0	48·3
	Sheffield	0	36	48·4	50·1
	— — ..				
	Birmingham	0	31	48·2	50·0
	Nottingham	0	37	48·1	50·7
	— — ..				
5.	Kew	0	35	49·0	52·0
	Canterbury	0	35	50·3	53·1
	Portsmouth	0	37	51·3	54·0
	Wisley	0	37	49·3	52·0
6.	Glasgow	2	29	—	—
	Rothesay	—	—	—	48·4
	Dumfries	0	31	—	—
	Douglas	0	31	—	—
7.	Newton Rigg ..	0	33	48·0	49·1
	Southport	1	30	47·1	50·0
	Manchester City ..	0	37	48·7	51·7
	Bettws-y-Coed ..	0	33	47·6	50·0
	— — ..				
8.	Llangammarch Wells	1	29	48·8	51·0
	— — ..				
	Bath	—	—	51·0	54·8
	Plymouth	0	34	50·8	—
9.	Armagh	1	29	48·2	50·9
	Markree Castle ..	5	24	—	—
10.	Dublin, Trin. Coll. ..	1	28	49·1	51·1
11.	Guernsey, Brooklyn	0	41	53·4	55·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	47	47·0
	Kirkwall	49	47	48·5
	Wick	[50]	[50]	[50·0]
SCOTLAND, E.	Cromarty	48	45	46·8
	Pennan Bay	50	48	49·3
	Aberdeen, Cove Bay ..	49	48	48·7
ENGLAND, N.E.	Burnmouth, Berwick ..	51	49	49·7
	Scarborough	56	49	51·6
ENGLAND, E.	Shipwash Lightship ..	56	54	54·6
	Margate	55	51	52·8
ENGLAND, S.E.	Eastbourne‡	54	53	53·6
SCOTLAND, W.	Lamlash	55	53	?53·9
	Ballantrae	48	46	47·0
ENGLAND, N.W.	Port Erin	53	52	52·4
ENGLAND, S.W.	Newquay	53	52	52·6
	Plymouth‡	57	56	56·2
	Salcombe	56	53	54·9
IRELAND, N.W.	Sheephaven	53	51	51·7
	Ballyglass	52	49	50·7
IRELAND, S.W.	Cleggan	52	50	50·4
	Seafield	54	50	51·6
IRELAND, E.	Kingstown‡	53	51	52·1

‡ Only one observation each day.

MONTHLY WEATHER REPORT, 1907.

Several issues of the Monthly Weather Report for the current year are out of print, and it has been impossible to comply with demands for copies which have recently been received. The Director would be greatly obliged if recipients of the Report would return to him any copies for the current year which they can conveniently spare.

It is particularly requested that back numbers of the Weekly and Monthly Weather Reports when no longer required should not be destroyed. If provision cannot be made for filing them in a public library or other institution where they will be available for general reference, they should be returned to the Office in order that demands for complete files may be met as far as possible.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

Ascents from Pyrton Hill (500 ft.):—

(1.) November 6th, 3.36 p.m. Ground level, N.N.E. 10; at 500 metres N.E. by E. 20. Registering balloon, watched through one theodolite. Entered clouds at about 2,000 ft. Fell 24 miles S.E. by E.

(2.) November 7th, 3.21 p.m. Ground level, E.N.E., 4; at 500 metres, E.N.E., 8. Registering balloon, two theodolites. Ascensional velocity 710 ft. per minute. Entered clouds at 1,330 ft.

(3.) November 8th, 10.15 a.m. to 10.45 a.m. Ground level, 48°, 100 °/₀, E., 10; at 500 metres 48°, 100°/₀, S.E. 35. One kite, lost in thick fog immediately. Strong wind from S.S.E. at 1,500 ft. Thick dense fog nearly all day.

(4.) November 9th, 10.0 a.m. to 11.0 a.m. Ground level, 50°, 85°/₀, S.S.E. 9: at 500 metres, 50°, 90 °/₀, S. 30; at 1,000 metres, 45°, 50°/₀, S. by W., 30; at 1,500 metres, [38°, 65°/₀, S.S.W., 40]. One kite, 6,040 ft. wire. Max. height, 4,300 ft. Sunny day with light clouds over the hills. Singularly steady wind.

Ballons-sondes were sent up from Manchester on November 6th, 7th and 8th, each day at 6 p.m.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

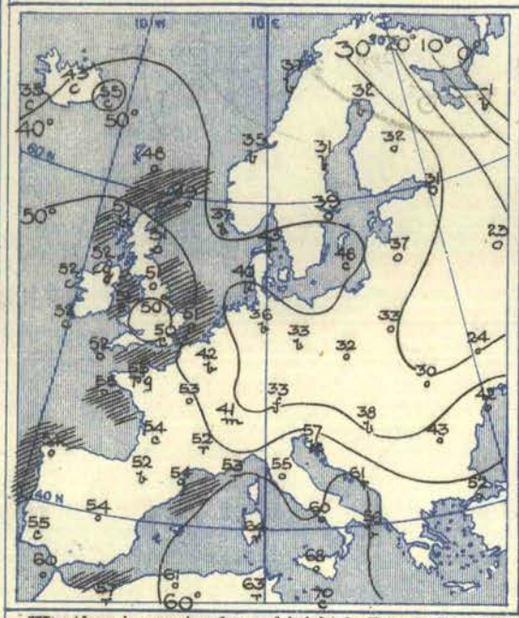
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

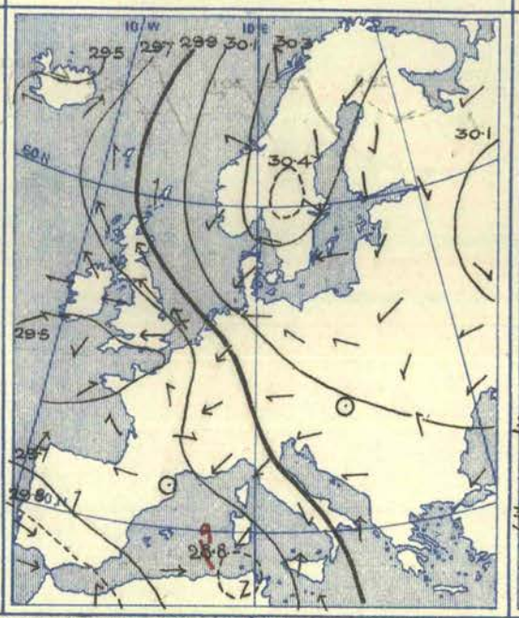
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 3rd November, 1907.

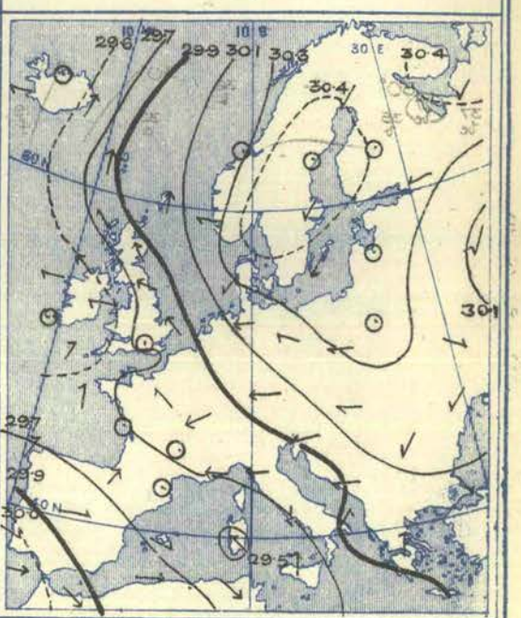
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Norway, Denmark, and North Germany, and in one or two other localities, but overcast over our area as a whole, with rain on our south-west coasts, as well as at Lyons and at some stations on the shores of the Mediterranean. More than 0·5 in. of rain falling later in Ireland and at Constantinople, and more than 1·0 in. at several places in southern Europe and at La Calle—1·4 in. at Turin, 2·6 ins. at Cape Béarn, and 2·8 ins. at Cagliari.

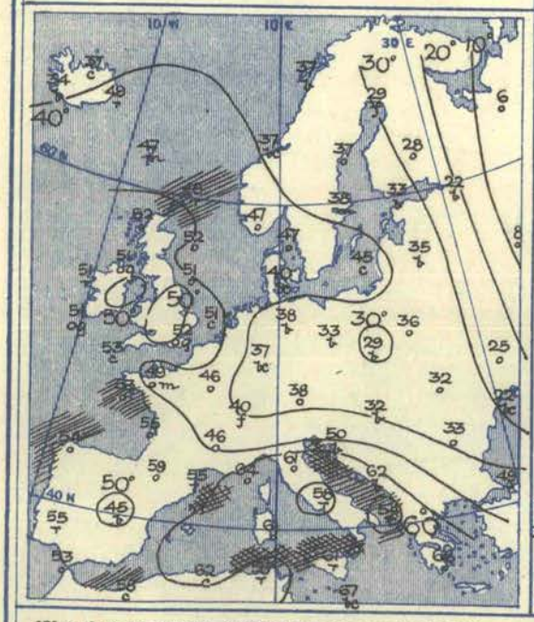
Temperature fallen except in a few places locally. Morning readings 70° at Malta, and above 60° at many other places in the far south. Not much above 30° in Germany, Austria, and Poland, and much below that point over the greater portion of Russia; lowest values 19° at Kharkoff and −1° at Archangel. Maxima during day 81° at Tunis, 78° at Palermo, and 72° at Athens, but thermometer only rising to 63° at Rome, 52° at Turin, and remaining below 50° over most of central Europe and at Belfort. Highest readings over our Islands above 55° generally in the southern districts.

Wind in morning blowing a gale from South-East at Yarmouth, and a fresh or strong breeze from between East and South-East prevailing over our Islands as a whole; high from East on the coast of Holland. A light to fresh breeze from the Westward shown in Brittany and the Channel Islands. A very extensive circulation of light anticyclonic winds prevailing over the north and north-east of our area, and moderate to fresh cyclonic winds over the Mediterranean. Some increase of force taking place in the latter region later in day, and a decrease of force over England. Wind veering to West or South-West on our south-west coasts.

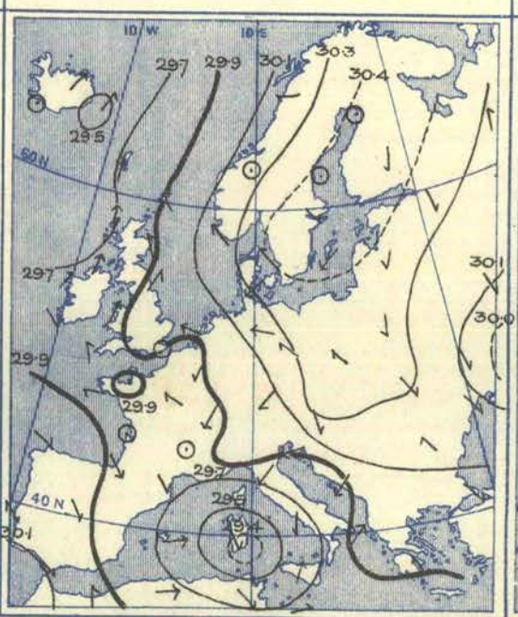
Barometer in morning ranging from above 30·3 ins in an anticyclone over Scandinavia to below 29·6 ins. in a depression over Tunis, and to less than 29·5 ins. in an irregularly shaped system over the English Channel and our south-west coasts, and also beyond Iceland. Both cyclonic systems moving northwards later; that in the south growing deeper, and that over our south-western districts decreasing in depth. Little change occurring within the anticyclonic region.

Monday, 4th November, 1907.

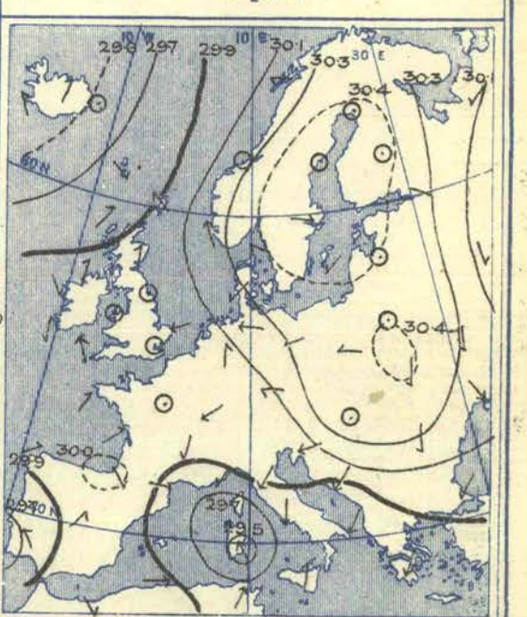
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and rainy over the Mediterranean region, cloudy or dull over these Islands and their immediate neighbourhood, with rain at Blacksod Point and Sumburgh Head, and fog or mist in some places, fair or fine in most parts of central and eastern Europe, but rainy at Constantinople. Slight rain falling in various British and Irish localities later, and heavier quantities at Biarritz and in southern Italy.

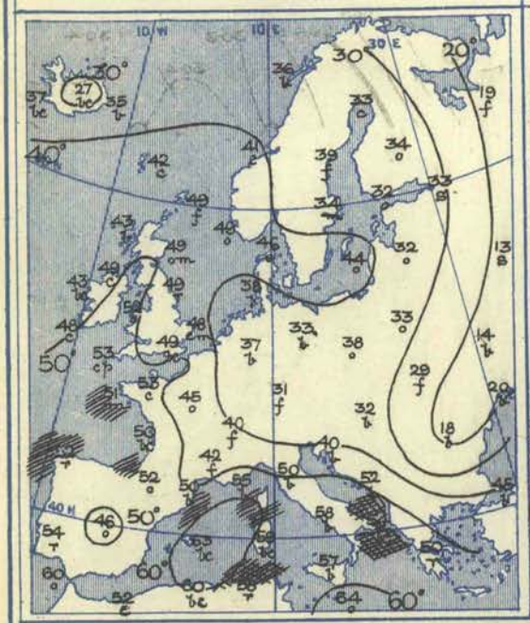
Temperature fallen in most regions. Readings in morning ranging from 60° or above on most of the shores of the Mediterranean and 67° at Malta, to below 40° over the greater portion of the Continent, and to much below 32° in the east and north-east; lowest values 8° at Moscow and 6° at Archangel. Maxima during day above 55° at many of our own stations and at most of those in France, but below 50° at nearly all places in central Europe, and below 32° in some parts of Russia. Thermometer rising to a little above 70° at Athens, Malta and in Algeria.

Wind in morning showing a well-marked cyclonic circulation, fresh to very strong in force, over the Mediterranean, and light anticyclonic airs in the north and north-east of our area. Fresh to rather strong South-Easterly to Southerly breezes prevailing over the North Sea region, and moderate Southerly breezes in Ireland and Scotland. Veering to the Northward along the west coast of Ireland later in day and increasing in force from the South-Eastward in Portugal. Little change over the Mediterranean region; North-Easterly current increasing to a gale at Trieste.

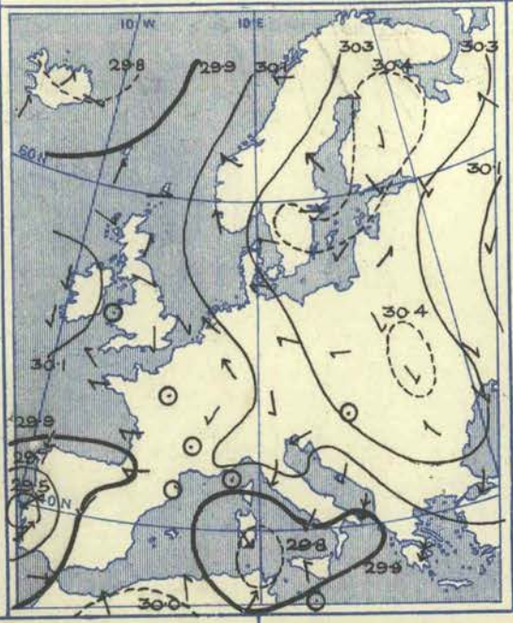
Barometer in morning above 30·4 ins. in an anticyclone covering Sweden, Finland and the intervening area; decreasing to less than 29·5 ins in a depression over Iceland, and to 29·4 ins. or less in a large disturbance having its minimum over Sardinia. Another high pressure system commencing to spread over Ireland during day, but a brisk fall of the mercury taking place at Lisbon. Scarcely any change occurring in the distribution on the Continent.

Tuesday, 5th November, 1907.

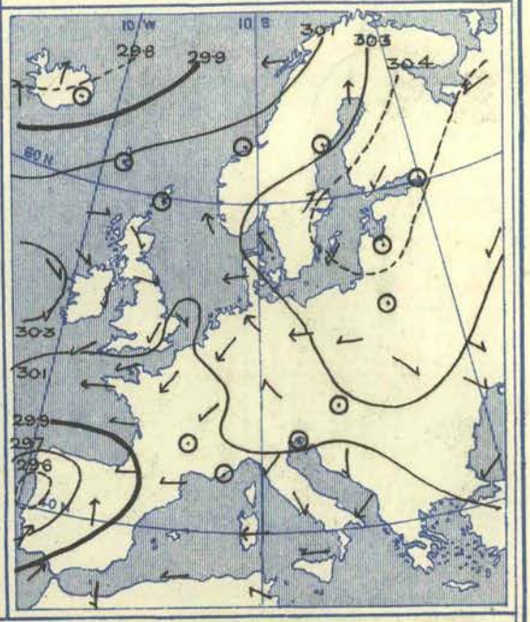
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Italy, central Europe, and in a few localities elsewhere, but very cloudy or quite overcast generally, with rain in Portugal and at some isolated stations in different parts of our area, and snow at St. Petersburgh and Moscow. Slight rain later in the north of our Islands and in Brittany, 0·7 in. at La Calle, and as much as 1·0 in. at Lisbon.

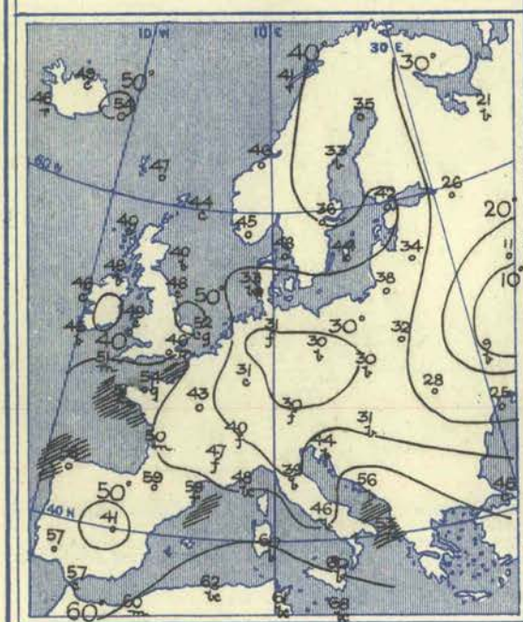
Temperature fallen in nearly all parts of our area except the north-east. Readings in morning above 60° at a few stations in the far south; below 32° over a very large portion of central and eastern Europe, and as low as 13° and 12° respectively at Moscow and Kharkoff. Maxima during day below 50° in the central countries and the east of France and also at Constantinople, and less than 60° over northern Italy, but about 70° at many stations on the shores of the Mediterranean, and as high as 81° at Algiers. Thermometer rising to about 55° in the south and south-west of our Islands.

Wind in morning showing two cyclonic circulations of considerable strength over the south of our area; a gale prevailing on the Portuguese coast, and also from North-East at Brindisi and Athens. Light and variable or light anticyclonic breezes general over nearly the whole of the Continent and our Islands. A light Northerly current blowing along our eastern coast and a Southerly current over the greater portion of the North Sea. No change of a general character later in day; gale subsiding in Portugal and at Brindisi.

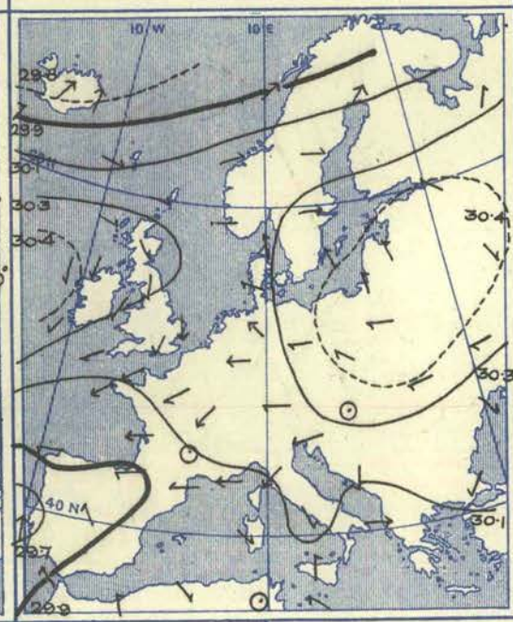
Barometer in morning above 30·3 ins. in a large high pressure system extending from Lapland nearly as far south as Turkey, and above 30·1 ins. in another system over and beyond Ireland. Below 29·8 ins. in a depression to the northward of Iceland, and also in a well-defined disturbance over the Mediterranean, and less than 29·5 ins. in a third system over Portugal. Western anticyclone extending further over our Islands during day. Depression over the Mediterranean apparently dispersing.

Wednesday, 6th November, 1907.

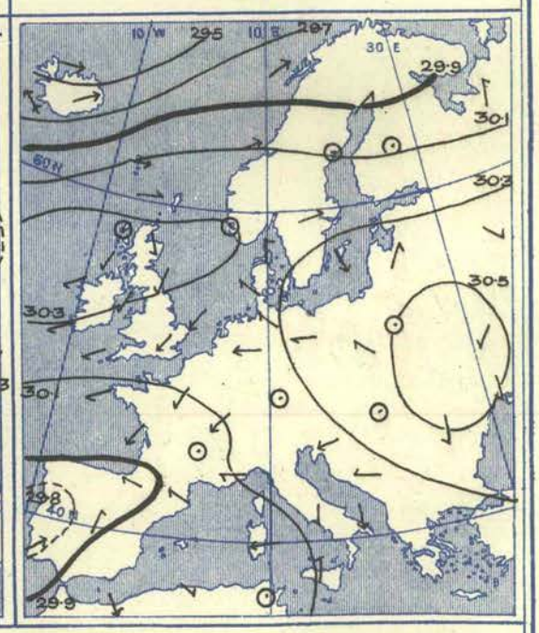
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in nearly all parts of southern and central Europe, as well as in the north and west of these Islands; cloudy or overcast elsewhere, but dry except at some stations in the extreme north and at Perpignan. Exceedingly heavy rain later in the south of France, and considerable amounts in Spain and Portugal. As much as 4·5 ins. at Perpignan, accompanied by a violent thunderstorm, 2·5 ins. at Cape Béarn, and 2·1 ins. at Mont Aigoual. Slight falls occurring in some parts of this country.

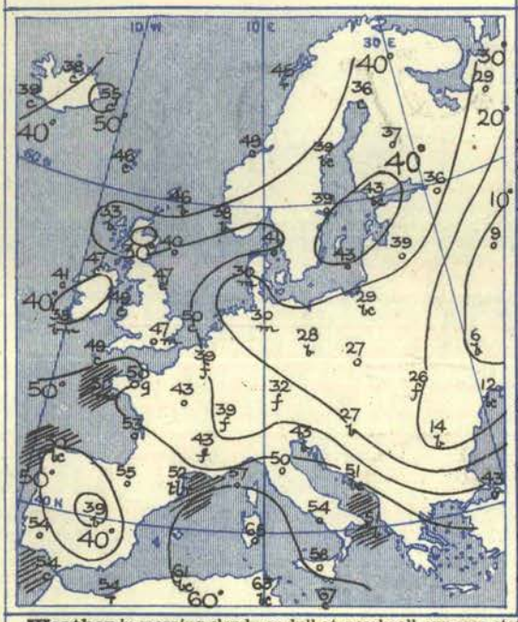
Temperature risen in the far north and south of our area, fallen generally; readings in morning above 60° in various parts of the Mediterranean region, and as high as 68° at Malta, much below 32° over Russia and as low as 1° at Kharkoff. Thermometer below 50° at almost all our own stations and the inland parts of France and Spain. Severe frost apparently continuing all day over the southern half of Russia, but maximum of 37° at St. Petersburg. Thermometer reaching 70° at some places in the south of our area, but not touching 45° over most of central Europe, and not much exceeding 50° at any of our own stations.

Wind in morning light or moderate from between North and North-East over England and Ireland and moderate from the Eastward over the greater part of France and the Spanish Peninsula, fresh to strong from West or South-West over Iceland and the north of Scandinavia. Light variable airs prevailing over the Mediterranean, and a feeble anticyclonic circulation over Russia and its immediate vicinity. Wind increasing to a gale from West in Iceland later, and a strong to high South-East wind continuing throughout the day at Toulouse.

Barometer in morning above 30·4 ins. in an anticyclone over Russia and also in another system off the west of Ireland. Depressions shown to the northward of Iceland and over Portugal, and shallow ill-defined disturbances over the Bay of Biscay and the southern portion of the North Sea. Pressure giving way very briskly later in the Icelandic region, and gradients for Westerly winds increasing greatly. Some modifications taking place both in the position and form of the high pressure systems.

Thursday, 7th November, 1907.

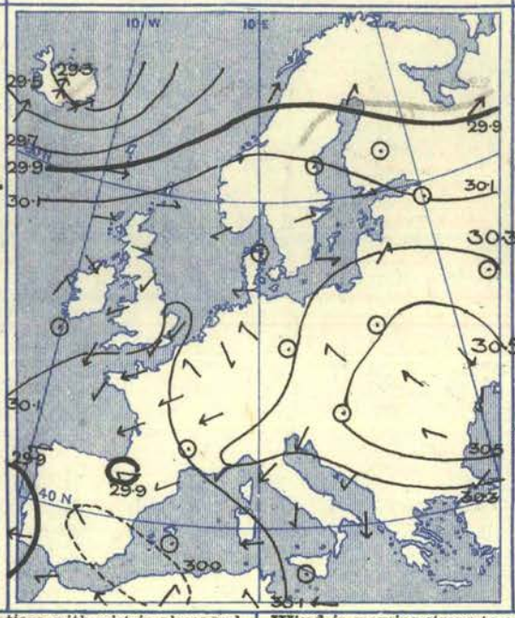
Temperature and Weather. 8 a.m.



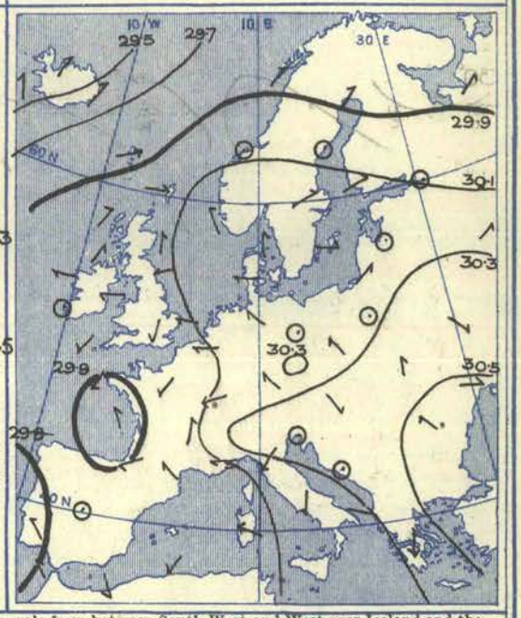
Weather in morning cloudy or dull at nearly all our own stations, with mist in places and rain at Liverpool. Fine in various Continental localities, but overcast generally, and rainy at Bodö and in the south of France. A thunderstorm prevailing at Perpignan. Heavy rain later in the south of France, various parts of Portugal, and at Leghorn; as much as 1·0 in. at Croisette, 1·2 ins. at Cette, and 1·6 in. at Lisbon. Slight rain falling over England and Ireland.

Temperature changed rather irregularly, but fallen in most regions. Readings in morning below 32° over the central countries and Russia, the readings ranging between 6° and 12° over the southern half of the latter country. Above 45° over most of England, but as low as 27° at Nairn and 34° at Parsonstown; still above 60° on some shores of the Mediterranean and as high as 69° at Sfax. Maxima during day less than 40° at some stations over central Europe, and below 50° in some parts of these Islands, but thermometer rising to 60° or above in most places in the south of our area, and touching 70° in Algeria. Maximum at Athens only 52°.

Barometer and Wind. 8 a.m.



6 p.m.

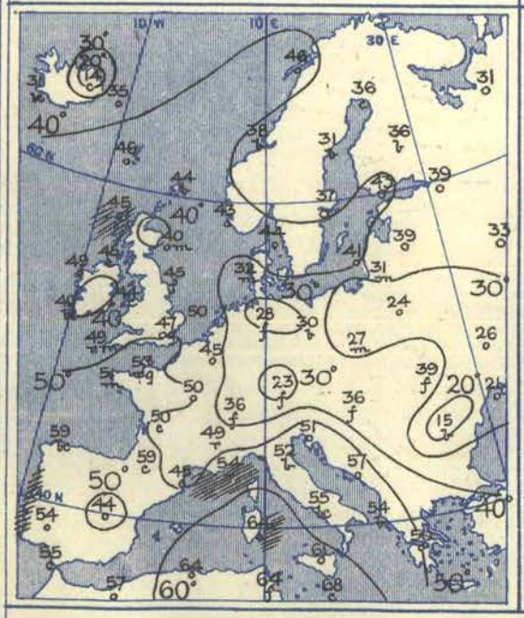


Wind in morning strong to a gale from between South-West and West over Iceland and the west of Norway, and light from the Westward in Scotland and the north of Ireland. Light to moderate from the North-Eastward or Eastward over England, France, and the Spanish Peninsula, and mainly Northerly over the Mediterranean. Light anticyclonic airs prevailing over the eastern part of central Europe and southern Russia. Force decreasing in the north of our area during day, but no general change occurring; a high wind from North setting in at Athens.

Barometer in morning as high as 30·5 ins. in an anticyclone covering a considerable portion of eastern Europe, and relatively high in a band stretching thence to the Baltic across the North Sea and the northern parts of these Islands. Below 29·3 ins. in a large depression beyond Iceland, and relatively low over the Bay of Biscay and to the westward of Portugal. Northern depression travelling away during day and barometer rising again in Iceland. Pressure decreasing over our area generally.

Friday, 8th November, 1907.

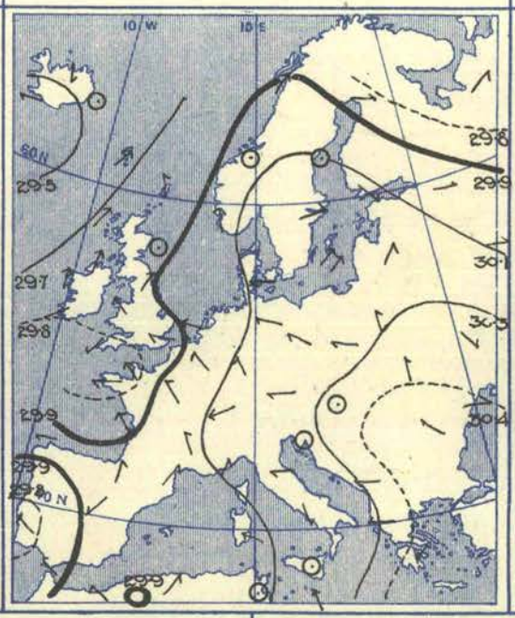
Temperature and Weather. 8 a.m.



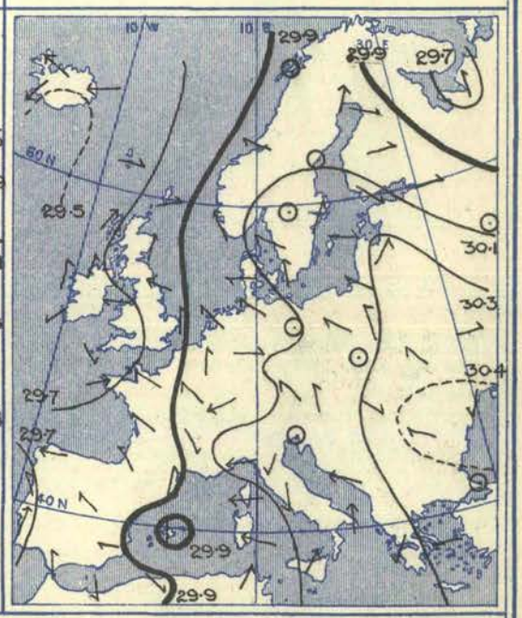
Weather in morning fine and bright in some Continental regions, but cloudy or overcast as a whole, with fog in places over central Europe and the north of this country, and with rain on our south-west coasts and at a few stations in southern Europe. Snow falling in Iceland. Rain extending over the major part of Great Britain during day and continuing over France and northern Italy, heaviest falls 1·2 ins. at Leghorn and 5·9 ins. at Marseilles.

Temperature risen in most regions, fallen in Iceland, various parts of Germany, and the south of France. Readings in morning as low as 17° at Nicolaieff and no higher than 23° at Munich. Above 45° over the greater part of England and France, above 55° at most stations on the shores of the Mediterranean, and as high as 68° at Malta. Rising later to 55° or 57° in many parts of southern England, to above 65° in the south of Europe generally, and to between 70° and 77° in Algeria.

Barometer and Wind. 8 a.m.



6 p.m.

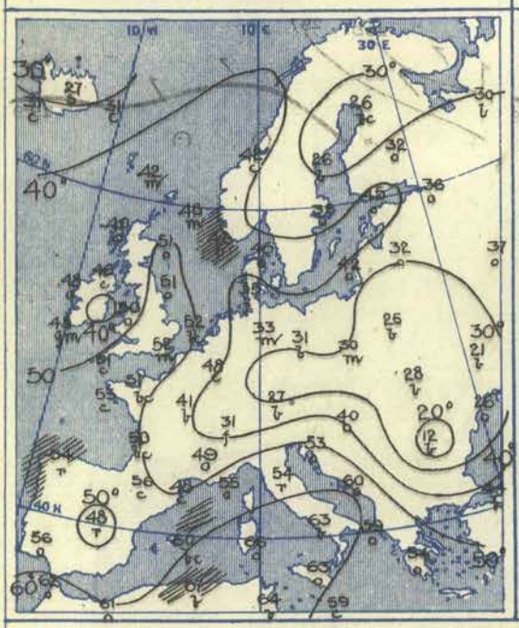


Wind in morning light and anticyclonic over Europe as a whole, but cyclonic over those regions bordering the Atlantic. Easterly current fresh over the English Channel, and that from the South-Westward fresh on our extreme north-west coasts. Very little change later in day.

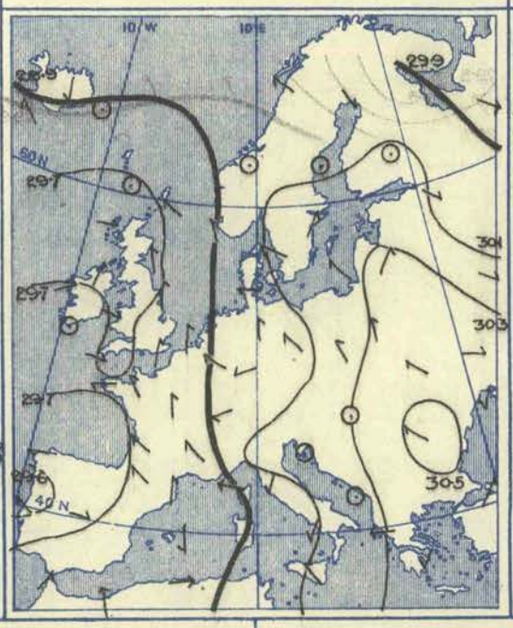
Barometer in morning above 30·4 ins. in a high pressure system in the south-east of our area; below 29·3 ins. in depressions over our south-west coasts and the Bay of Biscay, to the westward of Portugal, and over the White Sea region, and less than 29·5 ins. in another disturbance lying to the south of Iceland. Barometer falling during day to nearly 29·6 ins. on our south-west coasts, high pressure over south-eastern Europe remaining stationary.

Saturday, 9th November, 1907.

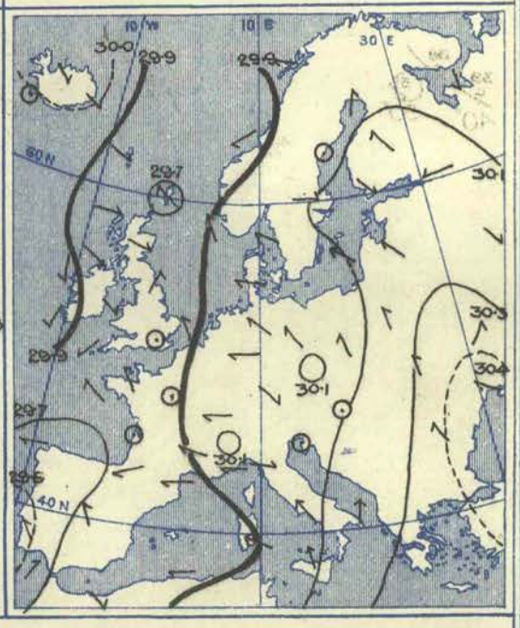
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many parts of the Continent, and fair over England and the eastern half of Ireland, but dull and misty in Scotland and the west of Ireland. Dull also over northern and southern Europe generally, with rain at many of the Spanish and Italian stations. Rain during day in many parts of these Islands, and very heavy falls over southern Europe; 0·9 in. at Nice, 1·2 in. at Oporto, and 1·5 in. at Florence.

Temperature risen over these Islands, changed irregularly on the Continent. Morning readings ranging from 12° at Hermanstadt, and below 30° over northern Iceland and some parts of northern, eastern and central Europe, to 50° or above over eastern and southern Britain and at the coast stations of France and Spain, and to 60° or above at most of the Mediterranean stations. Rising during day to 62° in London, and to nearly 60° over the southern half of England generally; to above 60° over southern Europe, and above 70° at a few stations.

Wind mainly South-Easterly over Great Britain and the adjacent Continental countries, but drawing into West or South-West on our north-west coasts; North-Westerly over northern Russia; calm over central Europe, and generally Easterly over southern Europe. Light or moderate in force nearly everywhere. Wind freshening by evening at many of the Mediterranean stations, and a cyclonic circulation becoming prevalent over north-western Europe.

Barometer at 8 a.m. highest 30·5 ins. and upwards over south-eastern Europe; lowest 29·7 ins. and less in an irregularly-shaped disturbance extending from Faeröe to southern Portugal, and 29·6 ins. and less off the Portuguese coast. Pressure decreasing generally during day, and a depression shown over Shetland at 6 p.m.; the low pressure off Portugal moving south-eastwards.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 356).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. November 3rd, 9.30 a.m. to 11.40 a.m.	Brighton, 380 ft.	Temperature F.	50°	50°	48°					Two kites, 80 sq. ft.; 7,000 ft. wire. Cloud level 1,500 ft. Overcast, stratus. Drizzle during the descent.
		Humidity	95%	95%	95 %					
		Wind Velocity, m. per hr.	E by N, *23	SE by E, 30	SE by E, 30					
November 6th, 11.8 a.m. to 4.15 p.m.	Aldershot, ? 250 ft.	Temperature F.	48°	42°	34°					Max. height, 3,600 ft. Temp. 33°. Wind, 35 m. per hr. Height remained steady, 3,400 ft. to 3,600 ft., from 11.40 am. to 3.25 p.m., the temp. remaining between 32° and 34°. Weather—Cloudy, with bright intervals.
		Humidity	—%	—%	—%					
		Wind Velocity, m. per hr	NE, —	—	—, 30					
November 6th, 1.41 p.m. to 2.9 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	44°	43°						One kite. Max. height, 3,186 ft. At 2.4 p.m. sudden rise in temp. (38° to 44°), and decrease in humidity (80% to 60%). Four minutes later calm; kite falls although sharply drawn in.
		Humidity	80%	70%						
		Wind Velocity, m. per hr.	E by N, —	E by N, 35						
November 6th, 11.56 a.m. to 4.0 p.m.	Brighton, 380 ft.	Temperature F.	47°	45°	40°					Three kites, 164 sq. ft.; 8,000 ft. wire. Max. height, 3,400 ft. Overcast, clouds at 2,400 and 3,400 ft.
		Humidity	90 %	95 %	95 %					
		Wind Velocity, m. per hr.	NNE, *15	NE, 25	NE, 22					
November 7th, 10.40 a.m. to 3.40 p.m.	Brighton, 380 ft.	Temperature F.	49°	44°	40°	[40°]				Three kites, 8,550 ft. wire. Max. height, 4,300 ft. S., clearing and showing A-Cu. Clouds at various heights above 2,100 ft.
		Humidity	90 %	95 %	90 %	[85%]				
		Wind Velocity, m. per hr.	NE by E, *10	E, 20	ENE, 25	[ENE, 25]				
November 7th, 10.42 a.m. to 1.34 p.m.	Glossop Moor, 1,100 ft.	Temperature F. . ..	44°	42°	38°					One kite. Max. wire, 4,350 ft. Very light breeze or calm above 3,300 ft. Rain and mists.
		Humidity	95%	100%	95%					
		Wind Velocity, m. per hr.	NE by E, —	E by S, 25	E by S, 25					
November 7th, 2.32 p.m. to 5.2 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	44°	42°						Two kites. Max. wire, 3,250 ft. Max. height, 2,400 ft. Min. temp., 40° F. Very light breeze or calm above 2,400 ft.
		Humidity	94%	86%						
		Wind Velocity, m. per hr.	E, —	ESE, 24						
November 8th, 3.0 p.m. to 5.30 p.m.	Aldershot, ? 250 ft.	Temperature F.	51°	44°	37°					Heavy cloud about 300 ft. up until mid-day then succeeded by dull cloudy sky with occasional fine rain. Practically no wind at ground level.
		Humidity	90%	95%	100%					
		Wind Velocity, m. per hr.	S, —	—, 35	—, 30					
November 8th, 10.20 a.m. to 3.30 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	45°	42°	45°	41°	[35°]			Two kites. Max. wire, 10,030 ft. Temp. Inversion of 6° F. between 1,900 ft. and 3,000 ft. above sea. Strong gusty wind near ground, lighter above.
		Humidity	93%	96%	85%	85%	[100%]			
		Wind Velocity, m. per hr.	SE, —	SE, 38	SSE, 28	SSE, 27	[SE by S, 30]			
November 9th, 10.22 a.m. to 2.45 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	48°	45°	40°	36°				Two kites. Tot. area, 131 sq. ft. Max. wire, 9,150 ft. Calm at ground level after 2.0 p.m. Rain and mists.
		Humidity	98%	100%	100%	90%				
		Wind Velocity, m. per hr.	S, —	S by W, 28	SW, 29	SW, 29				
November 9th, 9.40 a.m. to 12.10 p.m.	Brighton, 380 ft.	Temperature F.	54°	53°						Four kites, 7,200 ft. wire. Clock stopped. Max. height about 3,800 ft. Very little change in any element with height. Light scud with change of wind direction at 1,300 ft.
		Humidity	90 %	80 %	? %					
		Wind Velocity, m. per hr.	SE, *10	SSE, 25						

* Estimated.

63, Victoria Street, London, S.W. *November 13th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 46. FORTY-SIXTH WEEK, ENDING SATURDAY, NOVEMBER 16TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather varied a good deal in different parts of the Kingdom. At the commencement of the week dense fog prevailed over a large portion of southern and south-eastern England and continued until Monday night, but the subsequent conditions over England were often fine and bright and the rain slight. In Ireland and Scotland the general character of the weather was unsettled, with frequent rain. Thunderstorms or lightning alone occurred on the 12th in many parts of Scotland as well as at Morpeth, and in some places the storm was accompanied by hail.

Temperature was above the average except in England S. and S.W., the greatest divergence being 2°·0 in Scotland N. and Ireland N. The highest of the maxima occurred at most stations on Thursday, and ranged from 60° in the English Channel to 54° in Ireland N. The lowest of the minima were recorded on Saturday over Britain generally, but on Friday at several Irish stations. In the Midland Counties, England S. and S.W. the thermometer fell to 24° and in Scotland E. to 25°, while elsewhere the readings ranged from 27° in England N.E. to 30° in Scotland N. and W. and to 36° in the English Channel. Frost was registered on the grass on several occasions in Scotland and also at Newton Rigg and Cambridge, the lowest readings reported being 17° at Birmingham, 19° at Llangammarch Wells, and 20° at Crathes and Balmoral.

Mean Temperature of the Sea.—At nearly all stations the water was colder than during the week preceding, the greatest difference being about 2° at Margate and Eastbourne. The actual values ranged from 55°·4 at Plymouth to 45°·3 at Cromarty.

Rainfall exceeded the average in Scotland N. and W., but was below it elsewhere, the deficit being large in most districts.

Bright Sunshine was above the average in all districts except England E. The percentage of the possible duration ranged from 42 in England N.E. and 40 in the Midland Counties to 25 in England E. and to 18 in Scotland N.

Barometer and Wind.—At the commencement of the week a high pressure system extended over these Islands from the Atlantic, and anticyclonic conditions continued over all our more southern counties until the night of Monday. From Tuesday to Thursday large and deep depressions travelling eastwards from Iceland to northern Europe influenced the conditions, and the wind, which had been very light and variable, increased in force from some point between S.W. and N.W. During the night of Tuesday or on Wednesday a strong to whole gale from the Westward was experienced on our extreme north-western coasts, and high winds or gales over our northern districts generally. Late in the week our south-western and southern districts came under the influence of an anticyclone and the wind fell light, but by Saturday the barometer was again falling briskly in the west and north, and the wind in those regions was increasing greatly in force from the Southward.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 356.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ...	Heavy	Moderate	Moderate	Light	Light	Light	Moderate	Moderate	Moderate	Moderate	Light	Very light
	Sunshine ...	Moderate	Abundant	Very abundant	Moderate	Very abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 11 weeks from Sept. 1st.	Warmth ...	7 * 1	5 * 1	9 * 1	7 * 0	6 * 1	6 * 0	6 * 1	6 * 1	4 * 0	6 * 1	4 * 2	8 * 0
	Rainfall ...	2 * 7	3 * 5	2 * 5	2 * 7	4 * 5	2 * 5	2 * 6	2 * 4	4 * 4	1 * 5	4 * 3	3 * 4
	Sunshine ...	5 * 1	4 * 3	4 * 2	3 * 4	4 * 3	4 * 5	2 * 3	3 * 1	4 * 4	2 * 5	1 * 7	2 * 2

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (46th)—November 10th to November 16th, 1907.

DISTRICTS. (See p. 363.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	30	49·8	38·3	44·1	+ 2·0	30	+ 11	10	− 7	6	+ 1	1·73	+0·58	10	+ 1	18	+ 2
Eastern																		
1. SCOTLAND, EAST	56	25	50·1	36·1	43·1	+ 1·6	32	+ 14	17	− 5	4	0	0·53	−0·19	18	+ 6	32	+11
2. ENGLAND, N.E.	56	27	50·2	38·3	44·3	+ 1·1	32	+ 9	10	− 4	4	0	0·45	−0·11	25	+ 13	42	+22
3. ENGLAND, EAST	55	29	50·1	37·3	43·7	+ 0·3	32	+ 6	13	− 3	5	+ 1	0·27	−0·25	15	0	25	0
4. MIDLAND COUNTIES	55	24	50·6	37·4	44·0	+ 1·3	33	+ 10	13	− 6	3	0	0·21	−0·34	24	+ 12	40	+20
5. ENGLAND, SOUTH	56	24	51·3	38·7	45·0	− 0·2	35	+ 2	9	− 1	2	− 2	0·08	−0·58	18	+ 3	28	+ 6
Western																		
6. SCOTLAND, WEST	55	30	50·3	39·0	44·7	+ 1·2	32	+ 9	8	− 5	6	+ 2	1·60	+0·36	16	+ 5	28	+ 9
7. ENGLAND, N.W.	57	28	50·9	39·8	45·4	+ 1·2	33	+ 7	6	− 4	5	+ 1	0·63	−0·17	17	+ 5	28	+ 8
8. ENGLAND, S.W.	56	24	51·5	39·6	45·6	− 0·4	35	− 1	7	− 1	4	0	0·23	−0·71	23	+ 8	38	+13
9. IRELAND, NORTH	54	28	51·5	40·5	46·0	+ 2·0	34	+ 8	4	− 8	6	+ 2	0·78	−0·15	16	+ 2	27	+ 3
10. IRELAND, SOUTH	55	29	52·2	38·8	45·6	+ 0·1	38	+ 3	9	− 1	5	+ 1	0·28	−0·71	18	+ 2	29	+ 3
11. ENGLISH CHANNEL	60	36	55·2	46·4	50·8	+ 1·2	62	+ 8	0	− 1	3	− 2	0·10	−0·79	18	+ 1	29	+ 1

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 11 Weeks, September 1st to November 16th, 1907.

0. SCOTLAND, NORTH	87	24	*	*	*	*	563	+ 78	44	− 22	54	− 1	7·21	−4·88	242	+ 42	29	+ 5
Eastern																		
1. SCOTLAND, EAST	78	24	*	*	*	*	576	+ 46	36	− 52	42	− 3	7·72	+0·83	268	+ 39	32	+ 5
2. ENGLAND, N.E.	79	27	*	*	*	*	731	+107	11	− 36	39	− 2	5·98	−0·29	296	+ 64	35	+ 8
3. ENGLAND, EAST	81	29	*	*	*	*	853	+140	13	− 42	36	− 4	3·66	−2·54	309	+ 21	37	+ 3
4. MIDLAND COUNTIES	77	24	*	*	*	*	736	+ 85	18	− 51	37	− 2	6·84	+0·51	275	+ 25	33	+ 3
5. ENGLAND, SOUTH	78	24	*	*	*	*	911	+110	9	− 26	39	0	6·74	−0·52	307	+ 18	36	+ 2
Western																		
6. SCOTLAND, WEST	79	30	*	*	*	*	661	+ 73	16	− 35	44	− 2	9·77	−2·40	222	− 11	27	− 1
7. ENGLAND, N.W.	80	28	*	*	*	*	750	+ 81	6	− 28	41	− 3	6·96	−1·95	261	+ 24	31	+ 3
8. ENGLAND, SW	76	24	*	*	*	*	820	+ 53	7	− 19	45	0	9·77	−0·28	301	+ 11	36	+ 1
9. IRELAND, NORTH	74	25	*	*	*	*	708	+ 85	8	− 33	47	− 3	7·15	−2·09	203	− 30	24	− 4
10. IRELAND, SOUTH	77	28	*	*	*	*	795	+ 75	17	− 18	50	+ 5	8·84	−0·23	221	− 49	26	− 6
11. ENGLISH CHANNEL	81	36	*	*	*	*	1109	+118	0	− 1	45	− 4	9·01	+0·22	353	+ 14	42	+ 2

THE YEAR.—Aggregates, &c., for the period of 46 Weeks, December 30th, 1906, to November 16th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1838	−143	566	− 43	235	+20	43·07	+2·02	1082	− 26	26	− 1
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2007	−303	635	− 41	186	+ 8	27·16	+1·76	1250	− 22	30	− 1
2. ENGLAND, N.E.	82	15	*	*	*	*	2573	− 1	512	− 10	167	+ 6	20·61	−1·12	1428	+167	35	+ 4
3. ENGLAND, EAST	81	10	*	*	*	*	2925	− 48	531	− 45	155	− 1	17·03	−4·40	1504	− 11	37	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2714	−173	558	− 44	166	+12	23·67	+0·61	1342	− 7	33	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3050	−170	443	+ 27	153	+ 4	21·06	−2·31	1559	+ 26	38	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2370	−104	420	− 41	197	+11	42·94	+1·55	1208	−107	29	− 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2577	−159	424	+ 4	192	+20	30·34	+0·23	1314	− 24	32	− 1
8. ENGLAND, S.W.	82	5	*	*	*	*	2803	−256	403	+ 76	190	+20	32·77	+0·04	1455	−122	36	− 3
9 IRELAND, NORTH	81	16	*	*	*	*	2441	−169	300	− 86	218	+16	34·49	+1·37	1153	− 71	28	− 2
10. IRELAND, SOUTH	85	11	*	*	*	*	2920	− 86	273	− 21	213	+33	31·04	−3·23	1258	−120	31	− 3
11 ENGLISH CHANNEL	81	21	*	*	*	*	3488	− 89	96	− 14	169	−13	23·76	−3·71	1688†	−128	42	− 3

† The corresponding value for last week slightly altered owing to the receipt of further information.

November 10-16, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	51	37	48·9	40·3	44·6	+ 2·0	25	5	4	0·90	- 0·02	12·8	+ 3·6	24	+ 7
		Stornoway	54	36	51·1	38·7	44·9	+ 2·5	34	9	7	1·46	+ 0·20	8·8	- 1·5	16	- 3
	Mainland.	Wick	57	34	51·7	36·7	44·2	+ 2·2	38	15	6	0·57	- 0·09	*	*	*	*
		†Lairg (Strathpeffer) ..	54	32	49·3	36·0	42·7	+ 3·3	30	17	7	1·19	+ 0·33	11·8	+ 0·9	22	+ 2
		Glencarron	57	35	49·6	38·6	44·1	+ 3·2	29	10	7	3·26	+ 1·16	*	*	*	*
		Fort Augustus	56	30	49·2	37·8	43·5	+ 1·5	28	12	5	1·54	+ 0·56	7·4	+ 1·9	13	+ 3
		Fort William	55	34	49·0	39·9	44·5	+ 1·7	26	6	7	3·22	+ 1·30	*	*	*	*
		(West Linton)												20·2	—	35	—
1. SCOTLAND, E.		Nairn	56	33	51·7	36·1	43·9	+ 2·7	38	17	7	0·64	+ 0·10	18·9	—	34	—
		Aberdeen	53	34	49·4	36·6	43·0	+ 0·8	30	15	5	0·45	- 0·30	16·0	+ 2·6	29	+ 5
		†Balmoral (Crathes) ..	56	25	49·4	31·6	40·5	+ 2·0	21	42	3	0·74	- 0·16	16·7	—	30	—
		†Crieff (Balruddery) ..	53	32	49·6	36·5	43·1	+ 1·7	31	15	4	0·57	- 0·45	20·3	—	36	—
		†Leith (Edinburgh)	56	31	52·1	39·9	46·0	+ 2·6	37	6	2	0·36	- 0·26	19·8	+ 9·0	35	+ 16
		Marchmont	53	31	58·4	35·9	42·2	+ 1·4	27	17	3	0·52	- 0·30	16·9	+ 4·7	30	+ 8
		(Saltburn)												18·0	—	31	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	55	30	50·6	37·6	44·1	+ 1·6	33	12	5	0·48	- 0·35	23·7	—	41	—
		†Shields (Newcastle)	52	33	50·6	38·0	44·3	+ 1·0	33	11	5	0·65	+ 0·08	14·3	+ 5·8	25	+ 10
		Durham	53	29	49·6	36·7	43·2	+ 1·4	31	15	4	0·54	- 0·13	24·8	+ 11·8	43	+ 20
		Scarborough	56	35	51·2	39·6	45·4	+ 1·7	34	7	4	0·71	+ 0·05	19·6	—	33	—
		York	53	29	50·4	37·1	43·8	+ 1·0	33	14	4	0·48	- 0·06	23·4	+ 13·4	40	+ 23
	Southern part.	Spurn Head	50	39	49·3	43·0	46·2	+ 1·7	29	0	4	0·42	- 0·04	*	*	*	*
		†Lincoln (Skegness)	53	27	50·3	36·9	43·6	+ 1·1	33	14	5	0·20	- 0·27	27·8	—	46	—
		†Fulbeck (Rauceby)	54	27	49·9	37·5	43·7	+ 1·4	31	13	4	0·14	- 0·34	28·0	—	47	—
3. ENGLAND, E.	Northern part.	Hillington	51	30	49·3	35·3	42·3	- 0·3	30	19	6	0·62	- 0·02	20·7	+ 7·4	35	+ 12
		†Yarmouth (Lowestoft) ..	51	36	49·6	39·3	44·5	+ 0·6	29	8	5	0·57	- 0·05	10·1	—	17	—
		Geldeston	53	31	50·8	36·7	43·8	+ 0·1	35	15	6	0·32	- 0·26	10·7	- 4·6	18	- 8
		(Cromer)												11·4	—	19	—
	Southern part.	Cambridge	52	29	51·2	34·3	42·8	0·0	38	22	5	0·26	- 0·23	23·2	+ 8·8	38	+ 14
		Felixstowe	52	34	49·7	37·9	43·8	- 0·8	30	11	4	0·14	—	12·7	—	21	—
		Clacton-on-Sea	52	32	49·4	37·7	43·6	- 0·9	29	12	4	0·13	—	13·7	—	23	—
		Rothamsted	52	31	50·1	36·0	43·1	+ 0·5	33	17	6	0·12	- 0·51	29·6	+ 15·0	49	+ 25
		†Shoeburyness (Southend) ..	53	35	49·7	39·4	44·6	- 0·4	29	7	5	0·17	- 0·32	10·7	—	18	—
		London, Westminster	55	32	51·0	39·3	45·2	+ 1·1	34	8	1	0·07	- 0·48	6·2	- 0·6	10	- 1
		(Dunmow)													—		—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	53	32	48·9	37·3	43·1	+ 1·1	27	13	4	0·60	- 0·05	25·1	—	43	—
		†Bawtry (Worksop)	—	25	—	36·6	—	—	—	—	4	0·50	+ 0·03	21·6	+ 10·2	36	+ 17
		Nottingham	53	27	50·9	36·3	43·6	+ 0·9	35	16	3	0·15	- 0·31	14·8	—	25	—
		Raunds	*52*	*27*	*50·6*	*36·6*	*43·6*	—	*34*	*15*	*4*	*0·23*	—	*	*	*	*
		Birmingham, Edgbaston ..	52	34	49·8	39·8	44·8	+ 1·8	29	6	3	0·18	- 0·38	22·9	—	38	—
		Oxford	53	30	51·0	38·6	44·8	+ 1·3	34	10	3	0·09	- 0·47	26·2	+ 12·4	43	+ 20
	Western part.	†Cheadle (Sheffield)	51	30	48·7	37·6	43·2	+ 1·4	27	12	4	0·13	- 0·56	22·2	—	37	—
		Shrewsbury	55	28	51·7	36·7	44·2	+ 0·5	38	15	4	0·23	—	*	*	*	*
		Hereford	54	27	51·6	35·8	43·7	+ 0·4	38	17	5	0·12	- 0·48	*	*	*	*
		Cirencester	52	24	50·1	35·9	43·0	+ 0·8	33	17	1	0·01	- 0·69	29·3	+ 15·3	48	+ 25
		Bath	55	27	53·1	38·9	46·0	+ 1·0	41	9	2	0·07	- 0·63	30·9	—	51	—
		(Margate)												8·5	- 6·5	14	- 11
5. ENGLAND, S.		Kew	54	32	50·1	37·3	43·7	0·0	32	13	2	0·05	- 0·48	13·1	+ 0·9	22	+ 2
		Wisley, Surrey	53	30	50·1	38·1	44·1	- 0·4	31	11	2	0·10	—	13·8	—	22	—
		†Swarraton (Ventnor) ..	53	24	49·9	36·1	43·0	+ 0·4	32	17	2	0·07	- 0·68	25·7	+ 10·0	42	+ 16
		Tunbridge Wells	53	32	49·8	36·4	43·1	- 0·1	31	16	3	0·09	- 0·68	18·9	+ 2·7	31	+ 4
		†Dungeness (Littlestone) ..	55	31	52·3	37·0	44·7	- 1·0	40	14	3	0·12	- 0·51	12·1	—	20	—
		Hastings	55	37	52·4	40·5	46·5	+ 1·0	38	4	3	0·13	- 0·64	18·7	+ 1·5	30	+ 3
		Southampton	56	31	52·2	38·5	45·4	+ 0·1	39	10	1	0·07	- 0·69	19·5	+ 4·3	32	+ 7
		†Portland Bill (Worthing) ..	56	39	53·3	45·4	49·4	+ 2·1	52	0	1	0·02	—	24·7	—	40	—
		(Eastbourne)												20·9	+ 4·9	34	+ 8
6. SCOTLAND, W.		Laudale	55	35	51·2	41·5	46·4	+ 2·7	33	1	7	4·18	+ 2·30	*	*	*	*
		Poltalloch	*53*	*30*	*50·7*	*36·4*	*43·6*	+ *0·5*	*35*	*16*	*7*	*1·52*	+ *0·29*	*	*	*	*
		Glasgow	54	36	49·0	40·7	44·9	+ 2·5	26	4	5	0·73	- 0·11	12·1	+ 5·3	21	+ 9
		Rothesay	*55*	*35*	*50·0*	*43·1*	*46·6*	+ *3·1*	*32*	*0*	*6*	*1·59*	+ *0·46*	*	*	*	*
		Colmonell	*55*	*31*	*51·2*	*40·0*	*45·6*	—	*34*	*6*	*5*	*2·00*	—	*	*	*	*
		Dumfries	54	33	50·5	37·0	43·8	+ 1·2	34	14	6	0·78	- 0·15	*	*	*	*
		Cally	52	30	49·5	35·9	42·7	+ 0·2	31	17	5	1·12	- 0·11	*	*	*	*
		Douglas, Isle of Man	54	34	51·2	39·7	45·5	+ 0·6	34	6	5	1·17	+ 0·06	20·0	+ 5·5	34	+ 9
7. ENGLAND, N.W.		Aspatria	55	34	49·9	40·3	45·1	+ 2·7	29	5	6	1·55	+ 0·60	19·0	—	33	—
		Newton Rigg	53	28	49·2	34·8	42·0	+ 1·0	30	20	4	0·52	- 0·34	25·2	+ 13·0	43	+ 22
		Stonyhurst	53	31	48·7	37·1	42·9	+ 0·3	27	14	4	0·96	- 0·06	19·7	+ 8·6	33	+ 14
		Blackpool	54	32	51·2	41·0	46·1	+ 2·3	33	3	4	0·67	- 0·14	22·5	+ 11·0	38	+ 18
		Manchester, Prestwich ..	53	30	50·0	35·8	42·9	+ 0·1	32	17	4	0·51	- 0·26	15·0	+ 7·5	25	+ 13
		†Liverpool Obs. (Hoylake) ..	55	35	51·4	42·7	47·1	+ 2·7	36	0	5	0·24	- 0·41	8·5	—	14	—
		†Hawarden Bridge (Southport)	57	35	52·9	39·9	46·4	+ 1·1	40	6	3	0·12	- 0·44	20·3	+ 9·2	34	+ 15
	NORTH WALES	Llandudno	55	38	52·9	44·0	48·5	+ 2·3	46	0	6	0·50	- 0·28	10·5	- 2·6	18	- 4
		†Holyhead (Aberdovey) ..	54	42	51·7	44·7	48·2	+ 1·5	43	0	5	0·57	- 0·40	19·9	—	33	—
		Bettws-y-Coed	54	32	50·7	38·0	44·4	- 1·5	34	11	6	0·62	—	8·4	—	14	—
		(Aberystwyth)												18·7	—	31	—
8.	SOUTH WALES	Llangammarch Wells	52	24	49·9	33·7	41·8	- 0·7	22	35	5	0·42	—	18·8	—	31	—
		Pembroke	56	43	53·9	45·0	49·5	+ 2·0	53	0	4	0·28	- 0·65	22·7	+ 7·7	37	+ 13
		Cardiff	55	29	52·2	35·6	43·9	- 1·1	40	18	5	0·14	- 0·82	26·9	—	44	—
	ENGLAND S.W.	Clifton	53	32	51·2	40·8	46·0	+ 1·2	33	3	4	0·09	- 0·67	28·1	—	46	—
		†Shaftesbury (Marlborough)	51	34	49·3	40·0	44·7	+ 1·4	27	6	2	0·05	- 0·78	19·0	+ 6·0	31	+ 10
		†Arlington (Newquay)	52	32	50·6	39·4	45·0	+ 0·9	32	7	5	0·63	- 0·70	24·0	+ 6·0	39	+ 10
		Cullompton	54	28	51·3	35·7	43·5	- 0·5	37	18	4	0·10	- 0·75	19·2	+ 5·7	31	+ 9
		Plymouth	54	34	52·0	41·6	47·1	+ 0·3	37	1	4	0·11	- 0·74	24·5	+ 8·7	40	+ 14
		Falmouth	54	40	52·1	45·0	48·6	+ 0·8	46	0	4	0·23	- 0·97	23·7	+ 5·7	38	+ 9
		(Torquay)												25·5	+ 9·9	41	+ 16
9. IRELAND, N.	Western part.	Malin Head	53	42	51·4	43·4	47·4	+ 2·4	38	0	7	0·63	- 0·12	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	53	39	52·4	43·9	48·2	+ 1·9	43	0	7	1·24	+ 0·01	*	*	*	*
		Markree Castle	54	28	51·7	37·0	44·4	+ 1·1	38	14	7	0·77	- 0·18	12·0	- 1·1	20	- 2
	Eastern part.	Armagh	53	34	50·3	38·7	44·5	+ 1·5	31	9	6	0·54	- 0·13	19·3	+ 5·5	33	+ 9
		Donaghadee	54	37	51·7	39·6	45·7	+ 1·1	36	7	5	0·70	- 0·04	*	*	*	*
		†Dublin, City (Phœnix Park) ..	55	37	51·3	40·1	45·7	+ 0·3	34	5	3	0·11	- 0·52	20·2	+ 3·4	34	+ 6
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0·21	- 0·50	*	*	*	*

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
		°	°	°
0. — — ..				
— — ..				
— — ..				
1. Aberdeen	—	—	—	47·6
1. Crathes	6	20	44·3	47·6
1. Balmoral	6	20	—	—
1. Marchmont ..	2	27	43·3	—
2. Cockle Park	2	24	44·1	47·3
2. York	—	—	47·3	50·3
2. Hull	3	22	44·9	50·6
2. Lincoln	—	—	46·3	50·4
3. Lowestoft	0	32	46·2	51·3
3. Cambridge	5	22	45·9	51·2
3. Dunmow				
3. Clacton-on-Sea ..	2	27	48·7	53·2
4. Harrogate	1	27	46·0	47·6
4. Sheffield	2	24	45·9	49·8
4. — — ..				
4. Birmingham ..	3	17	46·5	49·8
4. Nottingham ..	2	22	44·9	49·7
4. — — ..				
5. Kew	3	22	46·4	51·3
5. Canterbury ..	2	27	48·2	52·4
5. Portsmouth ..	2	28	48·5	53·4
5. Wisley	1	25	46 9	51·2
6. Glasgow	1	25	—	—
6. Rothesay	—	—	—	47·6
6. Dumfries	4	26	—	—
6. Douglas	0	31	—	—
7. Newton Rigg ..	6	25	46·0	48·5
7. Southport	3	26	45·5	49·2
7. Manchester City ..	1	30	46·3	50·9
7. Bettws-y-Coed ..	0	31	45·4	49·3
7. — — ..				
8. Llangammarch Wells	4	19	46·9	50·5
8. — — ..				
8. Bath	—	—	49·7	54·1
8. Plymouth	0	31	47·9	—
9. Armagh	0	32	45·6	49·9
9. Markree Castle ..	3	22	—	—
10. Dublin, Trin. Coll. ..	0	31	45·7	50·1
11. Guernsey, Brooklyn	1	28	51·8	54·6

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	47	47·0
	Kirkwall	49	47	47·6
	Wick	50	50	50·0
SCOTLAND, E.	Cromarty	47	43	45·3
	Pennan Bay	49	47	47·8
	Aberdeen, Cove Bay ..	49	47	47·7
ENGLAND, N.E.	Burnmouth, Berwick ..	50	45	48·3
	Scarborough	56	45	51·3
ENGLAND, E.	Shipwash Lightship ..	[56]	[53]	[53·8]
	Margate	53	47	49·9
ENGLAND, S.E.	Eastbourne‡	53	50	51·6
SCOTLAND, W.	Lamlash	51	48	49·8
	Ballantrae	47	46	46·6
ENGLAND, N.W.	Port Erin	53	51	51·8
ENGLAND, S.W.	Newquay	52	52	52·0
	Plymouth‡	56	54	55·4
	Salcombe	55	53	54·0
IRELAND, N.W.	Sheephaven	51	50	50·9
	Ballyglass	51	47	49·3
IRELAND, S.W.	Cleggan	51	49	49·9
	Seafield	52	49	50·7
IRELAND, E.	Kingstown‡	51	50	50·8

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR OCTOBER, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

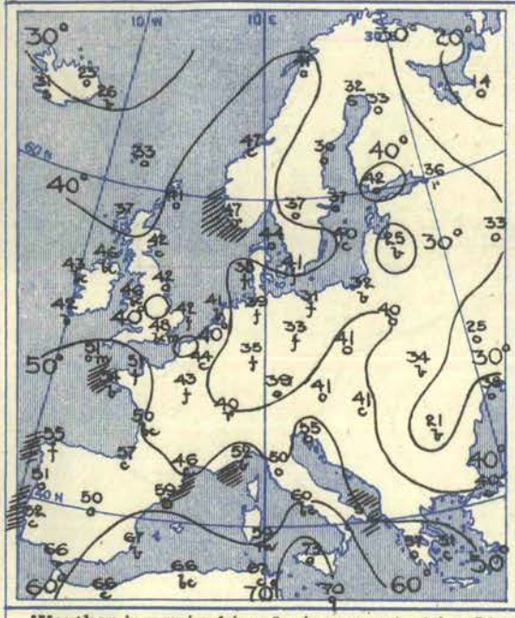
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 40, p. 314	11. English Channel	—	—	—	—	—	—	—	—	—	—	—	33	+ 1	40	+ 1
Station Values.—Additions.																
No. 41, p. 323	Cromer	—	—	—	—	—	—	—	—	—	—	—	25·7	—	34	—
No. 44, p. 347	Shoeburyness	57	36	55·0	43·1	48·9	+1·3	48	0	3	0·30	−0·21	—	—	—	—
Station Values.—Corrections.																
No. 40, p. 315	Hereford .. .. .. M	63	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No 40, p. 315	Llandudno .. .. M	66	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 40, p. 315	Jersey	—	—	—	—	—	—	—	—	—	—	—	35·3	+ 0·4	44	+ 1
No. 41, p. 323	Scarborough .. .. M	—	—	58·4	46·4	52·2	+2·1	71	—	—	—	—	—	—	—	—
No. 41, p. 323	Shrewsbury	—	—	—	41·6	49·7	−1·1	—	1	—	—	—	—	—	—	—
No. 41, p. 323	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	31·5	+ 2·7	41	+ 4
No. 41, p. 323	Plymouth	—	—	—	—	—	—	—	—	—	1·51	+0·68	—	—	—	—
No. 42, p. 331	Marchmont .. .. S	—	—	—	—	—	—	—	—	—	—	—	15·1	− 4·3	21	− 6
No. 42, p. 331	York	—	—	—	41·7	48·7	+1·0	48	1	—	—	—	—	—	—	—
No. 43, p. 339	Nottingham	—	—	—	—	—	—	—	—	4	0·39	−0·18	—	—	—	—
No. 44, p. 347	Hillington .. .. M	—	—	53·9	—	47·3	+2·0	41	—	—	—	—	—	—	—	—

		Temp. on the Grass and in the Ground. Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values :—Additions.					
No. 43, p. 340	Guernsey	0	35	54·1	56·8
No. 44, p. 348	Manchester (City) .. .	0	31	48·0	52·6
No. 44, p. 348	Bath	—	—	51·1	55·6
Station Values :—Corrections.					
No. 40, p. 316	Guernsey	—	—	59·5	—

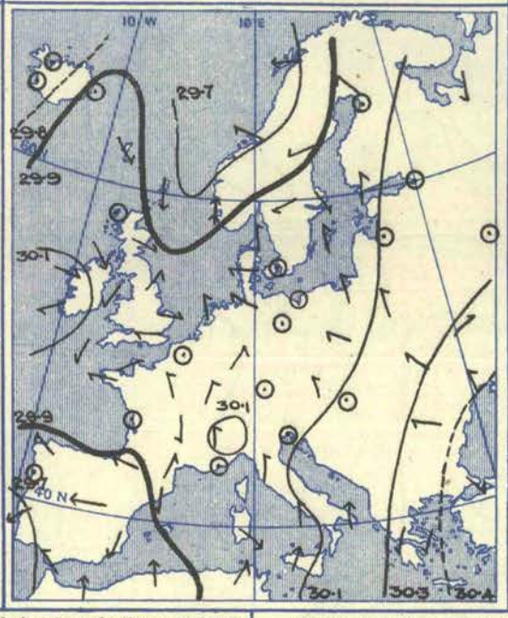
		Highest.	Lowest.	Mean.
Addition :—Sea Temperature.				
No. 44, p. 348	Kingstown	54	52	52·9

Sunday, 10th November, 1907.

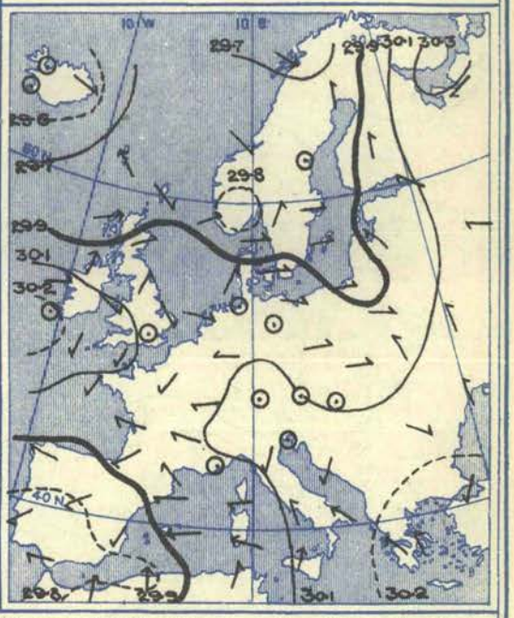
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in many parts of these Islands, but foggy in the central and south-eastern districts and over the Channel; fine also in isolated places on the Continent, but cloudy generally, with fog in Denmark, north Germany, and the north of France; rain locally at Vienna, Belfort, San Fernando and Skudesnaes, snow at Haparanda, and in Iceland. Rain falling during day over all the western and northern parts of the British Isles, and in various parts of the Continent, heaviest falls about 0·6 in. at Cracow, Riga, and Gap.

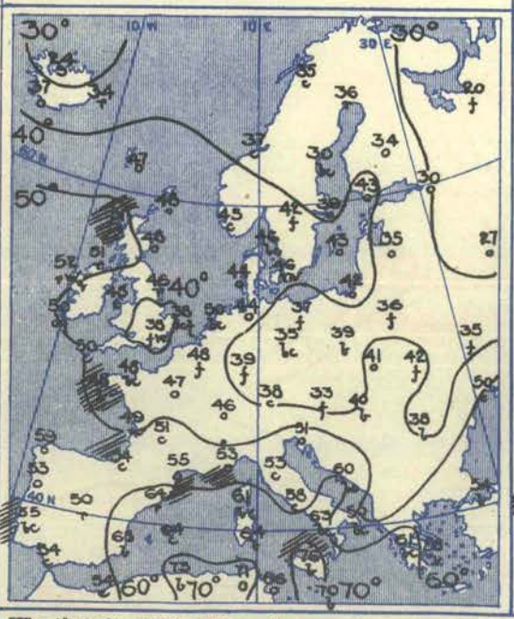
Temperature fallen over Great Britain and also over eastern and central Russia, risen slightly or changed irregularly elsewhere. Readings at 8 a.m. ranging from below the freezing point in Iceland and at some Russian stations, and below 40° over central England, to 50° and above over the mouth of the Channel, on the shores of the Bay of Biscay and over southern Europe generally, mostly above 60° over the Mediterranean, 70° at Malta, and 73° at Palermo. Maxima in these Islands all below 55°, above 60° over the greater part of France, and above 70° at many of the Spanish and Italian stations, 73° at Malta, 81° at Palermo, and 86° at Algiers.

Wind light and very variable over the Continent as a whole; Southerly to Easterly over Scandinavia, a gale at Skudesnaes, Northerly to Westerly in the east of Great Britain, North-Easterly over the west of England and south of Ireland, Easterly or South-Easterly over France and the Peninsula, mostly Southerly over the Mediterranean, strong at Nemours. Gale at Skudesnaes subsiding by evening. Wind backing to West or South-West and freshening on our north-west coasts. Other changes unimportant.

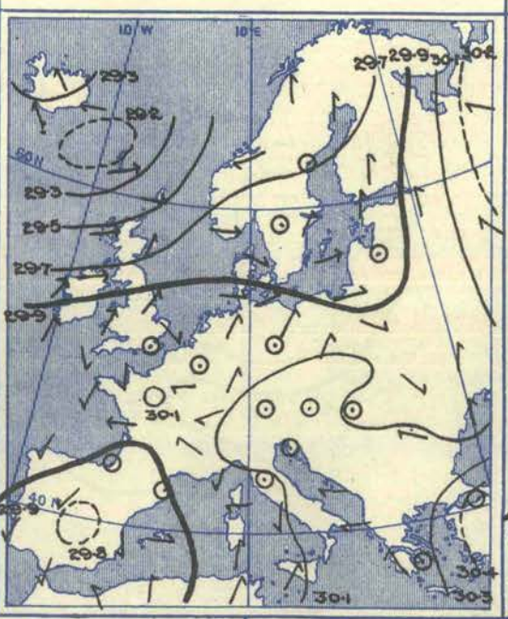
Barometer at 8 a.m. highest 30·3 ins. to 30·4 ins. over south-eastern Europe; relatively high, 30·1 ins. and upwards, over Ireland. Lowest, 29·7 ins. and less, in a depression off the west of Norway, and in another off the south-west of Spain. Norwegian depression passing on towards the Arctic during day, that off Spain spreading eastwards into the Mediterranean; new low pressure system appearing over Iceland.

Monday, 11th November, 1907.

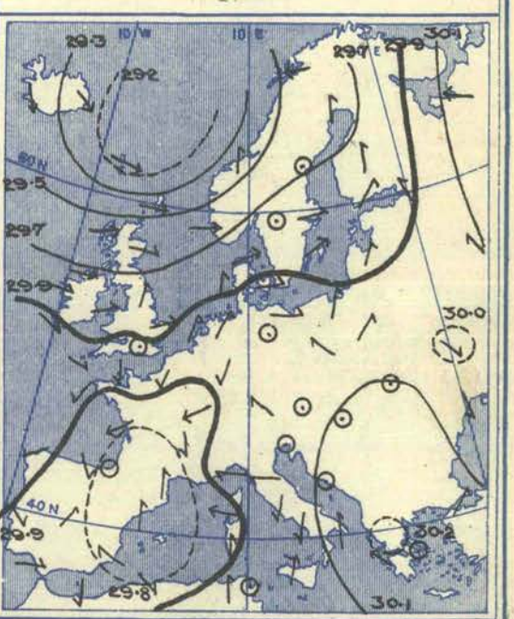
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of the Continent and over the Mediterranean region as well as over England, but foggy in the latter country and in many parts of central Europe; dull over our extreme western and northern districts, with rain at many stations, raining also at some places in Spain and at Haparanda; snow at Blönduos. Rain spreading to most parts of Great Britain during day, and fog becoming very dense in different localities in London. Heavy rain again falling in France.

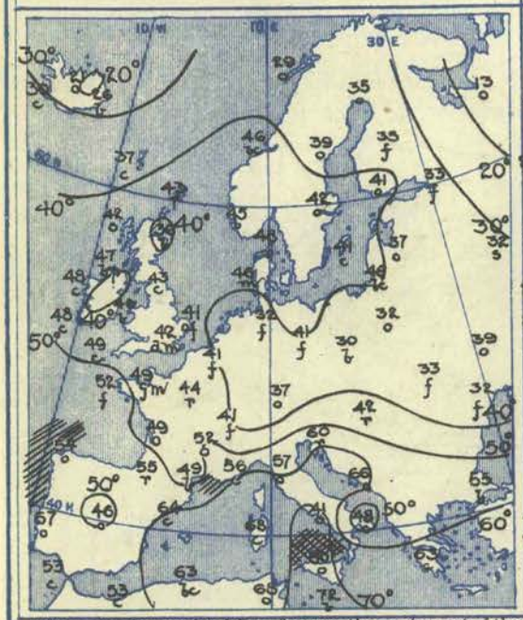
Temperature fallen over England as a whole, as well as in western Norway and some parts of Russia, Austria, and Italy; risen elsewhere, briskly in Scotland and south-eastern Europe. Morning readings ranging from below the freezing point over northern Iceland and eastern Russia, and below 40° over central Europe and south-eastern England, to above 50° on our extreme north-western coasts, and the southern coasts of Europe generally, above 60° at most Mediterranean stations, highest reading 76° at Palermo. Rising to between 50° and 55° at most of our own stations during day, but not exceeding 45° in London. High maxima over southern Europe, 70° at some stations in the south of France, above that point in some parts of Italy, highest of all 89° at Palermo.

Wind South-Westerly moderate to fresh over Ireland and the northern half of Britain, South-Westerly light over northern Europe generally, light variable over the eastern and central countries, North-Easterly over Spain, and South-Easterly to Southerly over the southern shores of the Mediterranean. Veering to West or North-West in Scotland and Ireland later, not much change elsewhere.

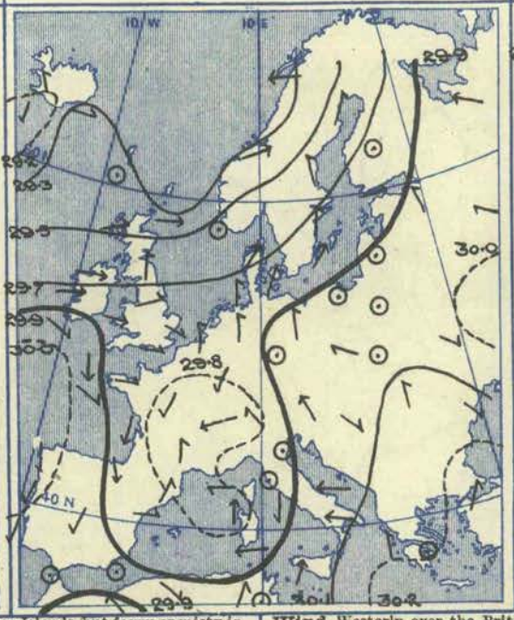
Barometer at 8 a.m. highest 30·4 ins. at Constantinople and over Asia Minor, above 30·0 ins. over the southern half of these Islands and central Europe generally. Lowest 29·3 ins. and less in a depression between Faeröe and Iceland, and 29·8 ins. and less over central Spain. Depression in north moving eastwards towards Norway later, anticyclone in south-eastern Europe becoming reduced in height to below 30·2 ins.

Tuesday, 12th November, 1907.

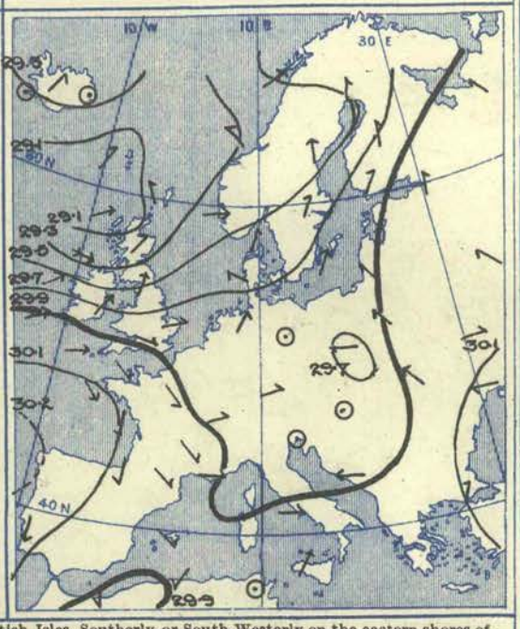
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of these Islands, but foggy or misty in the south and south-east of England, rainy or showery at a few stations; cloudy or foggy over a large portion of the Continent, with rain in the Skager Rack, at many French stations and in Austria. Fine at a few of the Mediterranean stations only. Rain falling in nearly all parts of Western Europe during day, 0·9 in. at Biarritz, 1·0 in. at Besançon, 1·2 in. at Gap, and 2·6 ins. at Frankfurt.

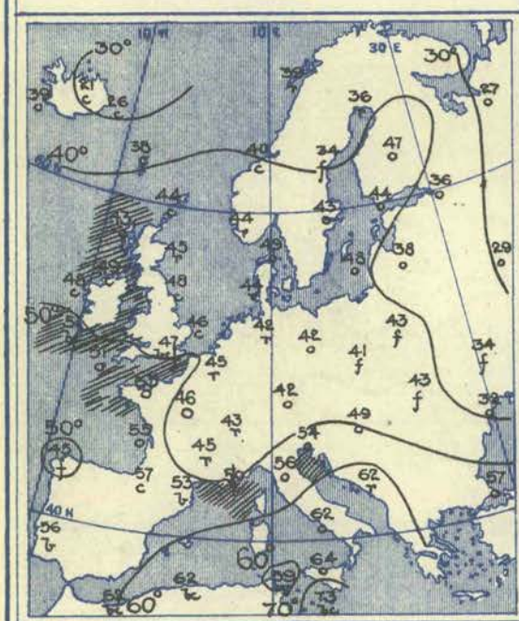
Temperature risen over the south of England, fallen in Ireland and Scotland as well as in Iceland, changed irregularly on the Continent. Morning readings ranging from 12° at Grimstadir, 13° at Archangel, and below 40° over eastern and central Europe, as well as over central Ireland and the north-east of Scotland, to 50° or above over the west of France and Spain and to between 60° and 70° over the Mediterranean region generally; highest readings 72° at Malta, and 80° at Palermo. Rising to about 55° on our south-west coasts during day and over France generally, to above 60° over southern Europe, to 73° at Naples, to 79° at Malta and to 89° at Palermo.

Wind Westerly over the British Isles, Southerly or South-Westerly on the eastern shores of the North Sea, moderate or light generally, strong locally at Christiansund and Malin Head. North-Westerly or Northerly, moderate over the Bay of Biscay and Spain; very variable over eastern and central Europe; Southerly or South-Easterly over the Mediterranean region; strong at Lesina and Palermo. Wind increasing to a fresh or strong gale on our extreme north-west coasts during day, very little change elsewhere.

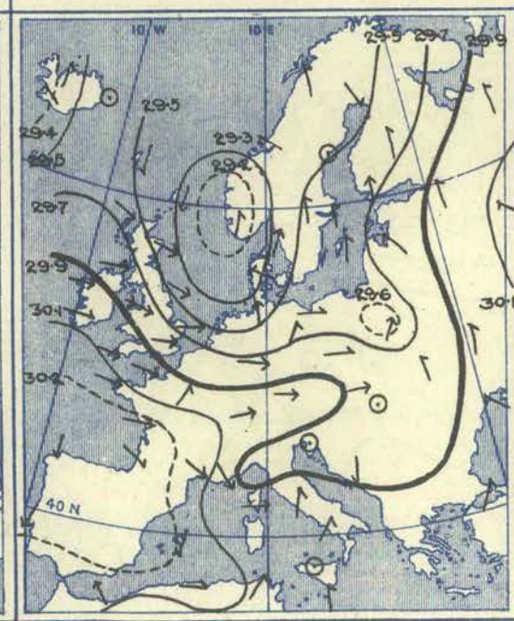
Barometer at 8 a.m. highest 30·2 ins. and upwards over the extreme south-east of Europe; relatively high 30·0 ins. and upwards in a new anticyclone advancing from the Atlantic over the Bay of Biscay. Lowest, 29·2 ins. and less in Iceland, 29·3 ins. and less between Iceland and Norway; 29·8 ins. and less in a shallow depression covering central and southern France. Depression over Iceland advancing south-eastwards towards Scotland during day, Atlantic high-pressure system spreading over France. Gradients for Westerly winds over our western districts becoming very steep.

Wednesday, 13th November, 1907.

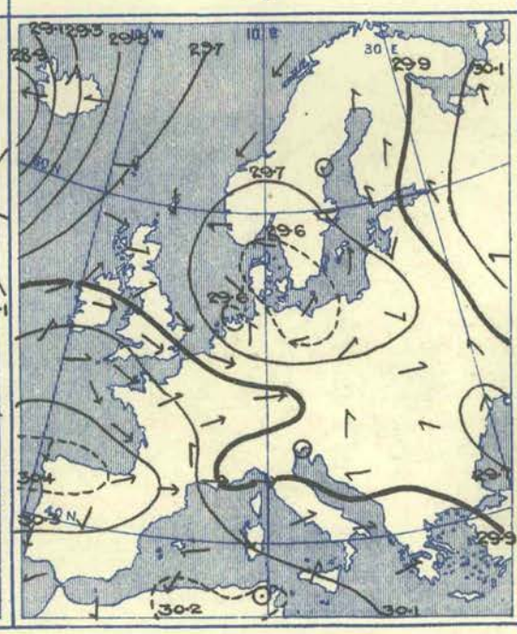
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over these Islands as a whole, but dull and rainy in the north of Scotland as well as on the eastern shores of the North Sea, dull over the Continent generally, with fog at several of the central stations, rain in central France, at Bilbao and Lesina, and also in the north of Scandinavia. Showers during day in the west and north of these Islands and rain in many parts of the Continent, heaviest falls 0·5 in. at Lesina, 0·8 in. at Aix-la-Chapelle, 0·9 in. at Frankfurt, and 1·0 in. at Riga; at Faerder 2·3 ins.

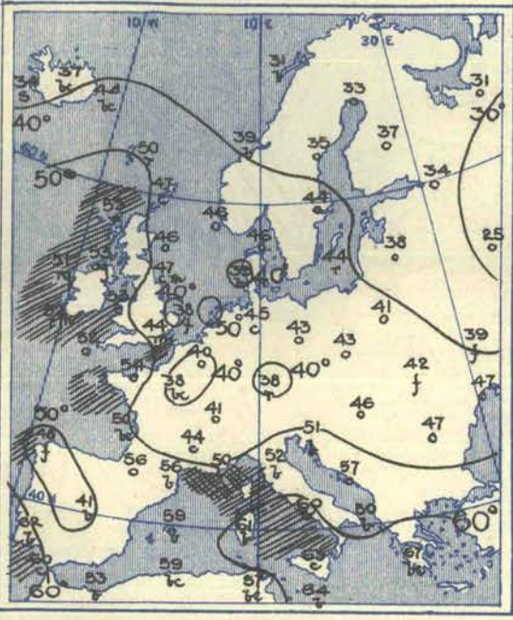
Temperature at 8 a.m. risen over western, central, and northern Europe generally, fallen over the Mediterranean generally; readings ranging from below the freezing point at some stations in Iceland and eastern Russia, to 50° or above at some of our own south-western stations, to above 60° at many places in southern Europe and also in Algeria, and to 73° at Malta. Maxima during day as high as from 55° to 58° on our south-west coasts, above 60° at most stations in the Mediterranean region; 76° at Malta, and 78° at Palermo.

Wind in morning North-Westerly to Westerly over the British Isles and France, fresh or strong in force generally, a gale at Holyhead; strong Southerly or South-Easterly in Schleswig-Holstein, South-Westerly or Southerly over northern and eastern Europe; variable over the Mediterranean. Wind decreasing somewhat over our Islands during day, and strong Easterly gale springing up in Iceland; not much change on the Continent.

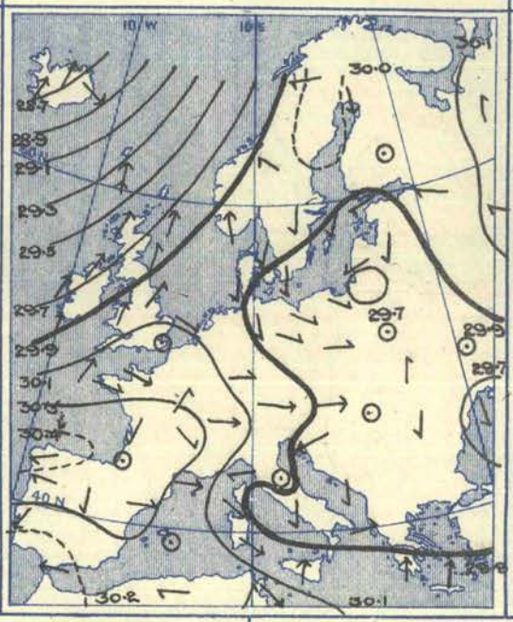
Barometer at 8 a.m. highest 30·2 ins. and upwards in an anticyclone covering the Bay of Biscay and the Spanish Peninsula. Lowest, 29·2 ins. and less in a rather deep depression lying between Shetland and Norway; 29·4 ins. and less in a new disturbance approaching Iceland, and 29·6 ins. and less, in a system shown over Poland. The former moving south-eastwards to the Baltic and becoming shallower during day; Icelandic depression encroaching, and gradients to the southward of it becoming very steep.

Thursday, 14th November, 1907

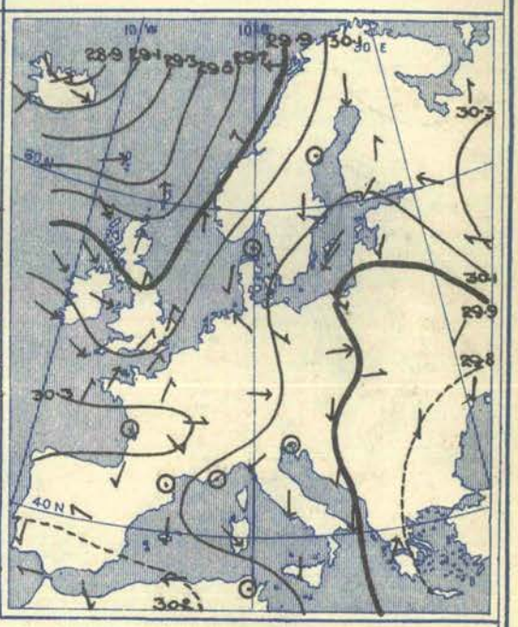
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over southern Europe and the Mediterranean, cloudy or dull over the greater part of the Continent and also over these Islands, with fog or mist in places. Rain falling at many of our western stations, at Wisby, the Helder, and at several places in south Germany. Small amounts of rain during day over the greater part of the United Kingdom, larger quantities in eastern Europe, 0·9 in. at Hermanstadt, 1·0 in. at Kiev, and 1·7 in. at Moscow.

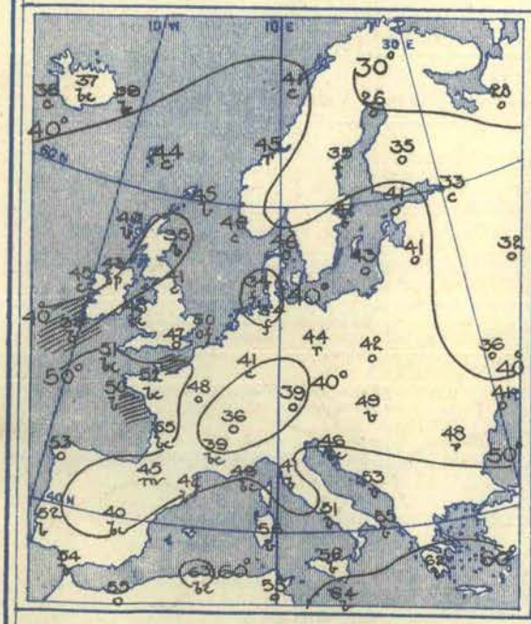
Temperature risen over the major portion of these Islands and also in the Icelandic region, fallen over south-eastern England and over the Continent as a whole. Morning readings ranging from below the freezing point over eastern Russia and about 40° over the inland parts of the Continent, to 50° or above on our north-western, western and south-western coasts, and to above 60° at many places in the Mediterranean region. Rising to about 55° over the United Kingdom generally later, to above 60° over southern Europe, and to 70° at Palermo; not exceeding 39° at Munich.

Wind at 8 a.m. moderate to strong Southerly or South-Westerly on all our western coasts, Westerly, light over our southern counties and the adjacent part of the Continent, fresh or strong from the same quarter in central Europe, light variable over Russia and Scandinavia, North-Westerly to South-Westerly, strong to moderate over the central and eastern parts of the Mediterranean. Wind veering to North-West on our western coasts during day and moderating somewhat in force, strong North-Easterly breeze springing up at Wisby; not much change elsewhere.

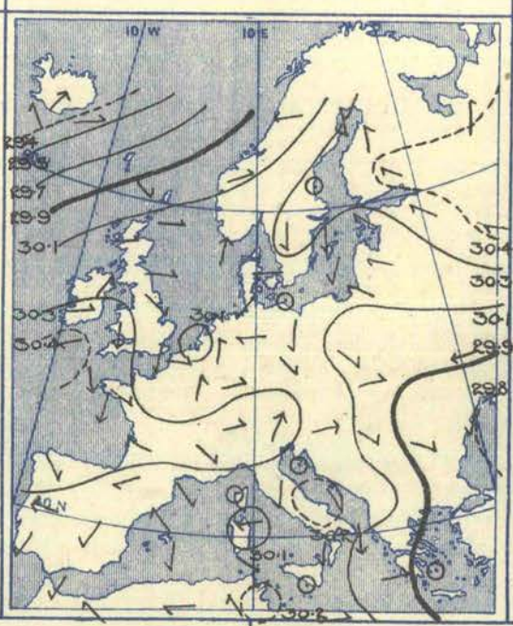
Barometer in morning highest 30·3 ins. to 30·4 ins. in an anticyclone stretching in from the Atlantic over France and Spain; 30·1 ins. and upwards over eastern Russia. Lowest, 28·7 ins. and less in a depression to the westward of Iceland, about 29·7 ins. in a shallow system near Memel. Gradients very steep from Iceland to the south of Ireland. Former disturbance moving eastwards during day, and a well-marked "V" passing across these Islands.

Friday, 15th November, 1907.

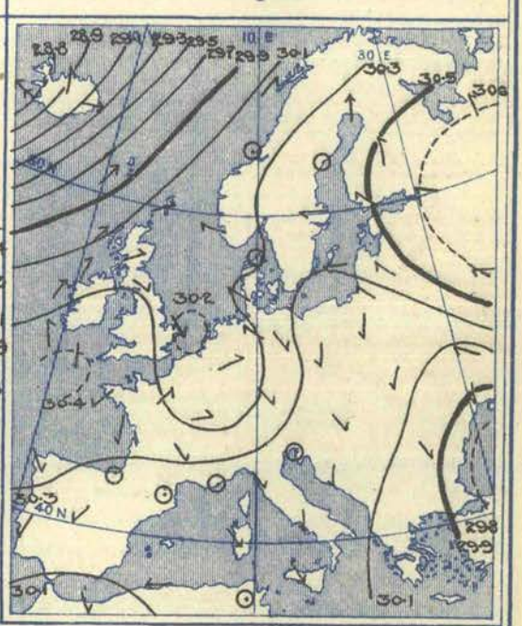
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our area, but dull in several parts of central and northern Europe, with rain at Christiansund and in several places in Austria-Hungary and Germany. Rain falling later in various parts of these Islands, Norway, Austria, and southern Russia, as well as at Constantinople.

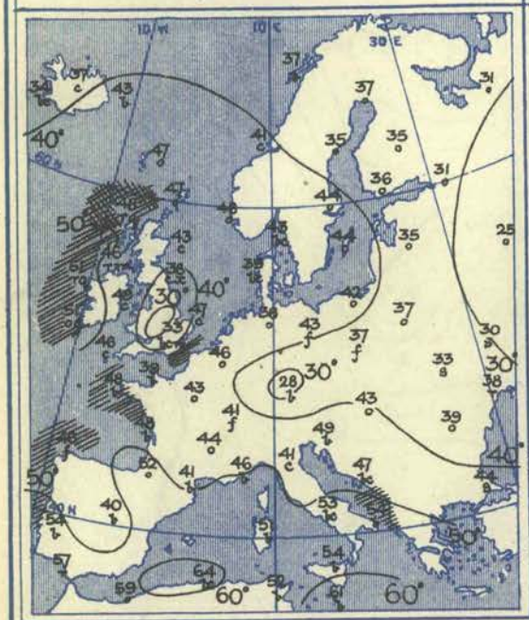
Temperature fallen in most places. Readings in morning ranging from about 60° in the far south to less than 45° over our area as a whole, below 40° in several districts, and to below 30° in the extreme north-east. Rising later to 70° at Palermo, and to between 60° and 70° in the south generally, but maxima below 50° over a large portion of Europe and in many parts of the United Kingdom. Sharp frost over the central parts of England and Ireland at night; minimum temperature at Bath and Nottingham 27°.

Wind in morning light and variable considered as a whole, but a moderate Northerly breeze prevailing over most of England and a South-Westerly current between these Islands and Iceland. Wind increasing decidedly from the South-Westward on our north-west coasts later in day, and becoming high or reaching gale force in the Iceland-Faeröe region.

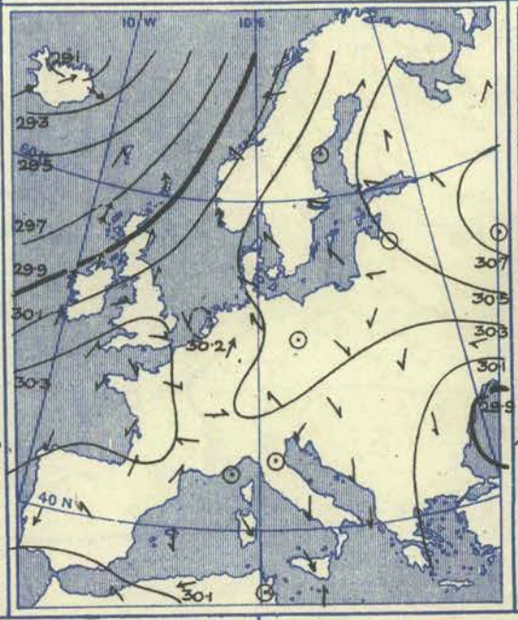
Barometer in morning ranging from above 30·4 ins. over northern Russia and also in the south of Ireland, to below 29·3 ins. in the south of Russia, and to less than 29·4 ins. over the west of Iceland. Barometer falling very quickly in the latter region during day, and gradients between Iceland and Scotland becoming very steep. Pressure giving way slowly over the west and north-west of these Islands. A shallow depression over the southern portion of the North Sea becoming less deep.

Saturday, 16th November, 1907.

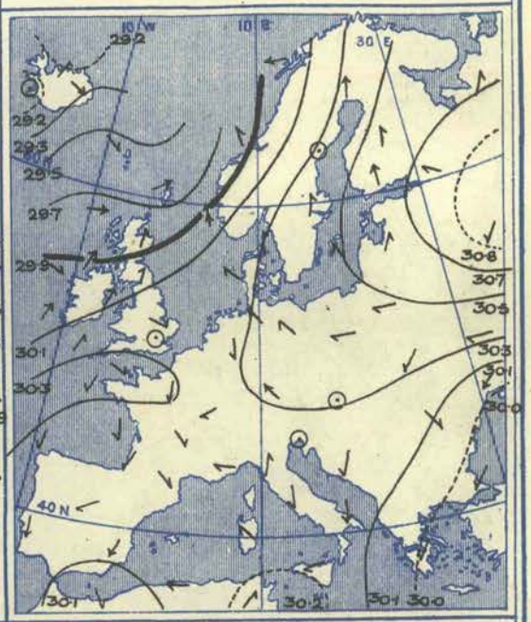
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the south of our area, but cloudy or overcast in most other regions, with rain on our north-west coasts and rain or snow over the south of Russia and at Constantinople. Rain, generally slight, falling later in most parts of these Islands, and as much as 0·9 in. at San Fernando. Considerable amounts of rain or snow experienced on the northern shores of the Black Sea.

Temperature risen in Ireland and Scotland, fallen over England. Readings in morning below 32° in central England and over most of Russia, and also at Munich, less than 40° over the greater part of the Continent, and below 55° at many southern stations. Highest reading 64° at Algiers. Thermometer rising to slightly above 70° later in the extreme south of our area, but remaining below 50° at Turin and over the greater portion of central Europe, as well as in many English localities. Frost at night over the inland regions of England.

Wind in morning South-Westerly, strong to a gale, on our north-west coasts and in Iceland, and strong to a gale from the Southward on the south-west coast of Norway. Generally light and somewhat variable elsewhere, but fresh or strong from the Northward at a few places in the south and south-east of our area. Wind veering towards West later on our western and north-western coasts and decreasing in strength. Gale subsiding in Iceland, but continuing on the south-west coast of Norway.

Barometer in morning above 30·7 ins. over the northern half of Russia, and above 30·3 ins. over the Bay of Biscay; below 29·9 ins. over the Black Sea, below 30·2 ins. in a small depression between our coasts and Holland, and less than 29·1 ins. in a large disturbance having its centre to the northward of Iceland. Russian anticyclone increasing in intensity during day, and northern depression apparently moving eastwards; a secondary system causing a brisk fall of the barometer in the north of Scotland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus ⟫→ = a heavy gale; ⟩→ = a gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 300	3,320 / 1,000	5,000 / 1,500	6,560 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
November 12th, 2.32 p.m. to 3.25 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	46°	42°	34°					One kite, 70 sq. ft.; 5,900 ft. wire. Max. height, 4,000 ft. Clear, sunny afternoon. Light steady breeze.
		Humidity	70%	80%	80%					
		Wind Velocity, m. per hr.	W by N, 10	—, 20	—, 28					
November 13th, 10.0 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	46°	39°						One kite, 50 sq. ft. Wind velocity by cloud shadows about 50 m. per hr.
		Humidity	80%	85%						
		Wind Velocity, m. per hr	W, 22	W, 45						
November 13th, 2.35 p.m. to 3.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	44°	35°					One kite. 50 sq. ft.; 3,700 ft. wire. Max. height. 3,300 ft. Very strong but steady wind. Clear.
		Humidity	80%	85%	100 %					
		Wind Velocity, m. per hr.	W, 20	WNW, 40	NW by W, 48					
November 14th, 12.45 p.m. to 2.0 p.m.	Brighton, 380 ft.	Temperature F.	52°	46°						Three kites, 65 sq. ft. Cloud level 1,400 ft. Overcast.
		Humidity	95 %	100 %						
		Wind Velocity, m. per hr.	WSW, *5	—, 28						
November 14th, 2.45 p.m. to 4.25 p.m.	Brighton, 380 ft.	Temperature F.	52°	46°	[38°]					Three kites, 65 sq. ft.; 5,000 ft. wire. Max. height, 2,600 ft. Cloud level, 1,700 ft. Overcast. Rain at 6 p.m.
		Humidity	95 %	100%	[100%]					
		Wind Velocity, m. per hr.	WSW, 8	WSW, 23	[WSW, 30]					
November 15th, 11.36 a.m. to 12.31 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	38°	29°					One kite, 6,000 ft. wire. Max. height, 4,100 ft. Temperature, 25° F. Clouds at about 3,500 ft. Clear at intervals.
		Humidity	85%	95 %	100%					
		Wind Velocity, m. per hr.	NNW, 10	N, 25	N by E, 30					
November 16th, 11.20 a.m.	Brighton, 380 ft.	Temperature F.								Wind failed at about 1,000 ft. Uniform temperature to that height.
		Humidity								
		Wind Velocity, m. per hr.								
November 16th, 12.44 p.m. to 4.53 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	42°	40°	35°	36°	37°			Three kites, 221 sq. ft.; 11,160 ft. wire. Max. height, 7,300 ft. Min. temp. 32° F. at 4,160 ft. Temperature inversion (5°) between 4,160 ft. and 6,000 ft.
		Humidity	90%	90%	100%	60 %	90%			
		Wind Velocity, m. per hr.	SW, —	SW by W, 30	WSW, 33	W by N, 32	—, 31			

* Estimated.

NOTE.—The *ballons-sondes* sent up from Manchester on Nov. 7th and 8th (*see* p. 356) have been recovered at Penrith and Lancaster. For the former the approximate maximum height was 19 kilometres, the minimum temperature −81° F.

63, Victoria Street, London, S.W. *November 20th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 47. FORTY-SEVENTH WEEK, ENDING SATURDAY, NOVEMBER 23RD, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was very changeable at the commencement and also at the close of the week, with frequent falls of rain in most districts. During the middle of the period the conditions were quieter and more settled, but over a large portion of England there was much fog. The fog which prevailed in London on Wednesday lay some distance above the surface, and was sufficiently dense to produce nocturnal darkness throughout the greater part of the day. A thunderstorm occurred at Colmonell (Ayrshire) on Saturday, and lightning was seen on the same day at Hoylake and Bettws-y-Coed.

Temperature was below the average in all the western districts, and also in England N.E. and in the Midland Counties. In Scotland N. and E. and in England S. there was a slight excess, and in England E. a more pronounced excess. The highest readings occurred over England mostly on Sunday, but in Ireland and Scotland on very irregular dates. In many parts of Great Britain the thermometer rose to 55° or slightly above it, but in Ireland, the north of England and the west and north of Scotland it did not reach that level. The lowest shade readings, which occurred at various times, but mainly about the middle of the week, ranged from 20° in Scotland E. (at Balmoral) and 23° in England S.W. (at Llangammarch Wells) to 28° in Ireland N., 30° in England E. and 37° in the English Channel district. On the surface of the ground the thermometer fell much lower, the sharpest frost occurring (a) early on Monday, when the grass minima were as low as 13° at Crathes, 15° at Balmoral, 17° at Dumfries and 18° at Southport; (b) early on Wednesday, when a reading of 18° was recorded at Llangammarch Wells, and a reading of 20° at Birmingham (Edgbaston).

Mean Temperature of the Sea was lower than in the preceding week, the change being most marked along our east and north-east coasts, at Aberdeen (Cove Bay) the decrease amounted to nearly 5°. The mean values for the week ranged from about 54° on the south coasts of Devon and Cornwall to between 43° and 45° on the east coast of Scotland.

Rainfall was in excess of the average in most of the English districts, as well as in Scotland N. In Ireland and in England S. and N.E. there was a slight deficiency, and in Scotland E. a large deficiency. More than an inch was recorded at several western stations on Thursday. Snow or sleet occurred in some parts of northern and central England on Saturday.

Bright Sunshine was very deficient in the eastern, central and southern parts of England, as well as in the Channel Islands, and rather deficient in England N.W. and S.W. In the west of Scotland it agreed with the normal, while in Ireland and the north and east of Scotland it was in excess of the average. The percentage of the possible duration ranged from 34 in Ireland S., 32 in Ireland N. and 28 in Scotland E. to 11 in the Midland Counties, and to 9 in England N.E. and E.

Barometer and Wind.—The distribution of pressure underwent considerable modification. At times, and notably on Tuesday and Friday, the conditions were influenced by "V-shaped" secondary depressions which appeared to the southward of deep cyclonic systems moving across the Icelandic region. With the approach of these disturbances the wind blew from the Southward or South-Westward, and reached the force of a gale on many parts of our western and northern coasts, while in their rear a shift to W. or N.W. occurred in most of the western districts. In the intervals separating the advance of the low pressure systems a large anticyclone extended its borders temporarily from the southern portions of the North Atlantic, and with these conditions the wind was either very variable or light from some quarter beteen W. and N.W. At the close of the week the depression noticed over Iceland on Friday became less deep and moved southwards to the north of Scotland, the resulting winds being fresh to strong from the North-Westward on our western coasts and from the Southward or South-Eastward in the northern and eastern districts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 372.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Abundant	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 12 weeks from Sept. 1st.	Warmth ...	7 * 1	5 * 1	9 * 2	7 * 0	6 * 1	6 * 0	6 * 2	6 * 2	4 * 0	6 * 2	4 * 3	8 * 1
	Rainfall ...	3 * 7	3 * 6	2 * 5	3 * 7	4 * 5	2 * 5	2 * 6	2 * 4	4 * 4	1 * 5	4 * 3	3 * 4
	Sunshine ...	6 * 1	5 * 3	4 * 3	3 * 5	4 * 4	4 * 6	2 * 3	3 * 1	4 * 4	3 * 5	3 * 6	2 * 3

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (47th)—November 17th to November 23rd, 1907.

DISTRICTS. (See p. 371.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	52	27	46·5	35·8	41·2	+ 0·3	13	- 1	25	+ 4	5	0	1·58	+0·38	11	+ 4	21	+ 7
Eastern																		
1. SCOTLAND, EAST	56	20	46·8	33·9	40·4	+ 0·2	13	0	32	+ 6	4	- 1	0·36	-0·30	15	+ 5	28	+ 9
2. ENGLAND, N.E.	53	25	45·5	34·8	40·2	- 1·8	10	- 8	28	+ 11	5	+ 1	0·47	-0·06	5	- 6	9	-10
3. ENGLAND, EAST	57	30	47·5	39·0	43·3	+ 1·5	22	+ 2	8	- 12	4	0	0·70	+0·20	5	- 7	9	-12
4. MIDLAND COUNTIES	55	27	46·0	35·5	40·7	- 0·7	11	- 7	25	+ 2	4	0	0·61	+0·11	6	- 5	11	- 8
5. ENGLAND, SOUTH	56	25	48·4	39·1	43·8	+ 0·2	25	- 1	8	- 6	3	- 1	0·56	-0·03	7	- 5	13	- 9
Western																		
6. SCOTLAND, WEST	52	24	47·3	35·1	41·2	- 1·3	15	- 4	28	+ 12	5	0	1·18	-0·02	10	0	18	0
7. ENGLAND, N.W.	55	25	47·1	36·3	41·7	- 1·3	14	- 7	24	+ 11	5	+ 1	0·82	+0·03	9	- 1	16	- 2
8. ENGLAND, S.W...	53	23	48·4	39·0	43·7	- 0·9	25	- 4	8	- 3	5	0	1·06	+0·18	14	- 1	23	- 1
9. IRELAND, NORTH	51	28	47·4	36·2	41·8	- 1·3	15	- 6	24	+ 10	6	+ 1	0·81	-0·09	18	+ 6	32	+11
10. IRELAND, SOUTH	53	25	48·5	35·8	42·2	- 2·3	27	- 2	17	+ 5	4	0	0·71	-0·20	20	+ 5	34	+ 9
11. ENGLISH CHANNEL	54	37	50·4	43·1	46·7	- 1·6	33	- 13	0	- 1	3	- 2	0·69	-0·10	11	- 5	18	- 7

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 12 Weeks, September 1st to November 23rd, 1907.

0. SCOTLAND, NORTH	87	24	*	*	*	*	576	*	69	*	59	- 1	8·79	*	253	*	29	*
Eastern																		
1. SCOTLAND, EAST	78	20	*	*	*	*	589	*	68	*	46	- 4	8·08	*	283	*	32	*
2. ENGLAND, N.E...	79	25	*	*	*	*	741	+ 99	39	- 25	44	- 1	6·45	-0·35	301	*	34	*
3. ENGLAND, EAST	81	29	*	*	*	*	875	+142	21	- 54	40	- 4	4·36	-2·34	314	*	35	*
4. MIDLAND COUNTIES.. ..	77	24	*	*	*	*	747	+ 78	43	- 49	41	- 2	7·45	+0·62	281	*	31	*
5. ENGLAND, SOUTH	78	24	*	*	*	*	936	+109	17	- 32	42	- 1	7·20	-0·55	314	*	35	*
Western																		
6. SCOTLAND, WEST	79	24	*	*	*	*	676	*	44	*	49	- 2	10·95	*	232	*	26	*
7. ENGLAND, N.W...	80	25	*	*	*	*	764	+ 74	30	- 17	46	- 2	7·78	-1·92	270	*	30	*
8. ENGLAND, SW	76	23	*	*	*	*	845	+ 49	15	- 22	50	0	10·83	-0·10	315	*	35	*
9. IRELAND, NORTH	74	25	*	*	*	*	723	+ 79	32	- 23	53	- 2	7·96	-2·18	221	*	25	*
10. IRELAND, SOUTH	77	25	*	*	*	*	892	+ 73	34	- 13	54	+ 5	9·55	-0·43	241	*	27	*
11. ENGLISH CHANNEL	81	36	*	*	*	*	1142	+105	0	- 2	48	- 6	9·70	+0·12	364	*	40	*

THE YEAR.—Aggregates, &c., for the period of 47 Weeks, December 30th, 1906, to November 23rd, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1851	*	591	*	240	+20	44·65	*	1093	*	26	*
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2020	*	667	*	190	+ 7	27·52	*	1265	*	30	*
2. ENGLAND, N.E.	82	15	*	*	*	*	2583	- 9	540	+ 1	172	+ 7	21·08	-1·18	1433	*	34	*
3. ENGLAND, EAST	81	10	*	*	*	*	2947	- 46	539	- 57	159	- 1	17·73	-4·20	1509	*	36	*
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2725	-180	583	- 42	170	+12	24·28	+0·72	1348	*	33	*
5. ENGLAND, SOUTH	81	16	*	*	*	*	3075	-171	451	+ 21	156	+ 3	21·62	-2·34	1566	*	38	*
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2385	*	448	*	202	+11	44·12	*	1218	*	29	*
7. ENGLAND, N.W.	81	15	*	*	*	*	2591	-166	448	+ 15	197	+21	31·16	+0·26	1323	*	32	*
8. ENGLAND, S.W.	82	5	*	*	*	*	2828	-260	411	+ 73	195	+20	33·83	+0·22	1469	*	36	*
9 IRELAND, NORTH	81	16	*	*	*	*	2456	-175	324	- 76	224	+17	35·30	+1·28	1171	*	28	*
10. IRELAND, SOUTH	85	11	*	*	*	*	2947	- 88	290	- 16	217	+33	31·75	-3·43	1278	*	31	*
11 ENGLISH CHANNEL	81	21	*	*	*	*	3521	-102	96	- 15	172	-15	24·45	-3·81	1699	*	41	*

November 17-23, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..	48	37	46·6	41·1	43·9	+ 1·9	17	3	6	2·79	+ 1·86	12·4	+ 5·0	25	+ 10
	Stornoway	49	34	46·0	37·1	41·6	- 0·3	11	20	7	2·58	+ 1·32	14·5	+ 5·4	28	+ 11
0. SCOTLAND, N. — Mainland.	Wick	48	32	46·3	35·9	41·1	+ 0·1	12	24	2	0·30	- 0·35	*	*	*	*
	†Lairg (Strathpeffer) ..	50	27	46·3	32·4	39·4	+ 0·8	12	37	4	0·32	- 0·53	7·9	- 0·7	15	- 1
	Glencarron	52	32	46·4	35·3	40·9	+ 0·7	12	27	7	2·26	+ 0·13	*	*	*	*
	Fort Augustus	50	28	46·5	33·2	39·9	- 1·2	13	34	6	0·88	- 0·12	7·5	+ 4·0	14	+ 8
	Fort William	50	29	47·1	35·8	41·5	- 0·7	14	26	6	1·94	- 0·04	*	*	*	*
	(West Linton)												12·1	—	22	—
1. SCOTLAND, E.	Nairn	49	27	45·6	34·3	40·0	- 0·5	10	30	5	0·16	- 0·36	16·4	—	32	—
	Aberdeen	48	30	45·9	35·4	40·7	- 0·6	11	26	2	0·63	- 0·12	16·9	+ 4·9	33	+ 9
	†Balmoral (Crathes) ..	56	20	53·0	30·1	41·6	+ 4·0	31	50	5	0·30	- 0·59	17·0	—	32	—
	†Crieff (Balruddery) ..	49	26	45·1	33·0	39·1	- 1·2	9	34	4	0·63	- 0·43	18·4	—	35	—
	†Leith (Edinburgh) ..	50	31	47·0	37·7	42·4	- 0·1	21	12	2	0·08	- 0·43	10·3	+ 1·3	19	+ 2
	Marchmont	49	28	44·1	33·0	38·6	- 1·4	6	33	4	0·36	- 0·43	10·5	- 0·1	19	0
	(Saltburn)												10·4	—	19	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	48	25	45·2	34·2	39·7	- 1·8	9	30	3	0·46	- 0·37	19·5	—	19	—
	†Shields (Newcastle)	51	30	45·7	33·1	39·4	- 2·9	10	34	5	0·99	- 0·48	5·1	- 2·1	9	- 4
	Durham	53	27	43·9	32·8	38·4	- 2·4	5	34	5	0·26	- 0·35	5·6	- 6·0	10	- 11
	Scarborough .. .. Ⓜ	51	34	47·2	37·9	42·6	- 0·1	21	11	5	0·47	- 0·18	6·6	—	12	—
	York	51	27	45·4	33·0	39·2	- 2·5	10	34	5	0·93	+ 0·43	2·0	- 6·3	4	- 11
2. ENGLAND, N.E. — Southern part.	Spurn Head	50	37	46·9	41·3	44·1	+ 0·6	18	2	3	0·47	+ 0·03	*	*	*	*
	†Lincoln (Skegness)	51	27	44·7	33·5	39·1	- 2·2	8	32	5	0·64	+ 0·18	0·4	—	1	—
	†Fulbeck (Rauceby)	51	27	45·3	32·9	39·1	- 1·9	9	34	5	0·45	- 0·01	5·9	—	10	—
3. ENGLAND, E. — Northern part.	Hillington .. .. Ⓜ	51	33	46·1	37·8	42·0	+ 0·7	11	12	4	0·73	+ 0·09	1·5	- 10·2	3	- 18
	†Yarmouth (Lowestoft) ..	52	36	47·7	41·3	44·5	+ 1·7	20	2	5	0·88	+ 0·26	9·3	—	16	—
	Geldeston	57	33	47·9	38·2	43·1	+ 0·6	24	11	5	0·89	+ 0·33	8·0	- 5·7	14	- 10
	(Cromer)												1·9	—	3	—
3. ENGLAND, E. — Southern part.	Cambridge	51	31	47·4	37·2	42·3	+ 0·7	22	13	4	1·09	+ 0·62	1·7	- 10·9	3	- 19
	Felixstowe	54	31	48·6	40·0	44·3	+ 0·9	25	6	4	0·41	—	11·5	—	20	—
	Clacton-on-Sea	53	33	48·1	40·3	44·2	+ 1·0	23	5	3	0·31	—	9·6	—	16	—
	Rothamsted	51	30	46·1	36·8	41·5	0·0	11	21	4	0·78	+ 0·15	2·6	- 10·3	4	- 18
	†Shoeburyness (Southend) ..	53	31	47·7	39·3	43·5	- 0·1	22	8	4	0·43	- 0·06	10·7	—	18	—
	London, Westminster	53	33	47·7	40·3	44·0	+ 1·0	21	5	4	0·74	+ 0·19	1·6	- 3·7	3	- 6
	(Dunmow)															
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	51	29	44·5	34·0	39·3	- 1·5	7	30	4	0·88	+ 0·23	9·2	—	16	—
	†Bawtry (Worksop)	—	27	—	33·3	—	—	—	—	6	0·56	+ 0·10	1·9	- 7·9	3	- 14
	Nottingham	52	29	45·0	33·3	39·2	- 2·4	8	33	5	0·30	- 0·14	0·9	—	2	—
	Raunds .. .. .. Ⓜ	*51*	*32*	*46·5*	*36·8*	*41·7*	*0·0*	*13*	*22*	*4*	*0·77*	—	*	*	*	*
	Birmingham, Edgbaston ..	49	34	45·7	36·3	41·0	- 1·0	10	23	4	0·50	- 0·03	2·1	—	4	—
	Oxford	52	31	46·3	37·1	41·7	- 0·7	12	20	4	0·72	+ 0·16	4·7	- 7·6	8	- 13
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) .. Ⓜ	49	30	43·5	36·7	40·1	- 0·6	4	20	3	1·13	+ 0·46	7·7	—	14	—
	Shrewsbury	55	28	48·1	34·8	41·5	- 1·3	17	30	4	0·38	—	*	*	*	*
	Hereford .. .. Ⓜ	51	30	46·8	36·0	41·4	- 0·8	13	24	5	0·47	- 0·13	*	*	*	*
	Cirencester	50	30	46·1	34·9	40·5	- 0·7	11	28	3	0·46	- 0·22	12·6	+ 0·2	21	0
	Bath	53	28	48·0	36·0	42·0	- 2·0	17	17	5	0·74	+ 0·05	12·2	—	21	—
	(Margate)												5·4	- 7·9	9	- 13
5. ENGLAND, S.	Kew	52	30	47·3	37·2	42·3	- 0·4	22	13	3	0·90	+ 0·42	3·9	- 6·8	7	- 12
	Wisley, Surrey	52	27	47·1	36·6	41·9	- 1·6	14	23	3	0·57	—	5·4	—	9	—
	†Swarraton (Ventnor) .. Ⓜ	51	25	45·9	35·5	40·7	- 0·9	11	25	5	0·87	+ 0·14	8·5	- 5·9	14	- 10
	Tunbridge Wells .. Ⓜ	52	33	47·4	38·4	42·9	+ 0·9	21	10	3	0·16	- 0·60	12·2	- 2·5	21	- 4
	†Dungeness (Littlestone) ..	54	35	49·3	40·4	44·9	+ 0·3	27	4	2	0·05	- 0·57	7·6	—	13	—
	Hastings	56	36	50·1	40·3	45·2	+ 0·7	30	5	2	0·18	- 0·58	7·9	- 7·7	13	- 13
	Southampton	53	35	49·2	39·6	44·4	+ 0·2	27	7	4	0·87	+ 0·14	7·2	- 6·4	12	- 11
	†Portland Bill (Worthing) ..	53	40	50·9	44·6	47·8	+ 1·5	41	0	4	0·86	—	10·3	—	17	—
	(Eastbourne)												11·5	- 2·9	19	- 5
6. SCOTLAND, W.	Laudale	51	34	47·8	38·2	43·0	+ 0·2	23	11	7	2·83	+ 0·88	*	*	*	*
	Poltalloch .. .. .. Ⓢ	*51*	*29*	*49·3*	*33·9*	*41·6*	*- 0·8*	*20*	*33*	*7*	*1·42*	*+ 0·16*	*	*	*	*
	Glasgow	50	32	46·4	37·3	41·9	+ 0·4	12	20	4	0·82	- 0·05	5·3	+ 0·3	10	+ 1
	Rothesay .. .. .. Ⓢ	*51*	*33*	*47·9*	*36·3*	*42·1*	*- 0·5*	*25*	*16*	*6*	*1·52*	*+ 0·38*	*	*	*	*
	Colmonell .. .. .. Ⓢ	*51*	*29*	*47·7*	*34·6*	*41·2*	*- 1·4*	*16*	*30*	*4*	*2·56*	*+ 1·45*	*	*	*	*
	Dumfries	47	24	44·8	32·6	38·7	- 2·7	8	35	3	0·42	- 0·53	*	*	*	*
	Cally	50	27	48·4	32·1	40·3	- 1·2	18	39	4	1·28	+ 0·03	*	*	*	*
	Douglas, Isle of Man	52	31	49·0	35·1	42·1	- 2·1	30	19	5	0·56	- 0·56	14·5	+ 1·4	26	+ 3
7. ENGLAND, N.W.	Aspatria	50	33	47·4	36·3	41·9	+ 0·5	15	24	4	0·58	- 0·38	7·7	—	14	—
	Newton Rigg	50	25	44·7	31·7	38·2	- 1·8	8	38	3	0·44	- 0·42	7·5	- 3·2	14	- 6
	Stonyhurst	50	30	44·1	35·1	39·6	- 2·0	6	26	5	0·97	- 0·02	4·7	- 4·7	8	- 8
	Blackpool .. .. .. Ⓜ	51	26	45·9	33·8	39·9	- 2·8	11	32	5	0·83	+ 0·04	6·3	- 3·3	11	- 6
	Manchester, Prestwich ..	50	31	45·5	35·6	40·6	- 1·0	10	25	5	1·30	+ 0·53	3·2	- 2·9	6	- 5
	†Liverpool Obs. (Hoylake) ..	51	33	46·0	37·7	41·9	- 1·5	11	18	4	0·47	- 0·15	12·0	—	21	—
	†Hawarden Bridge (Southport)	55	30	49·9	36·0	43·0	- 1·1	32	17	5	0·49	- 0·01	6·0	- 3·7	11	- 7
NORTH WALES	Llandudno .. .. Ⓜ	54	35	50·6	40·4	45·5	+ 0·3	31	4	5	0·48	- 0·28	13·1	+ 1·5	23	+ 3
	†Holyhead (Aberdovey) ..	52	35	48·3	41·3	44·8	- 1·0	23	2	4	0·87	- 0·09	15·7	—	27	—
	Bettws-y-Coed	52	29	48·4	35·3	41·9	- 3·0	18	28	5	1·74	—	11·6	—	20	—
	(Aberystwyth)												16·1	—	28	—
8. SOUTH WALES	Llangammarch Wells	52	23	46·2	30·9	38·6	- 2·8	12	42	5	0·80	—	9·7	—	17	—
	Pembroke	53	39	50·9	42·7	46·8	+ 0·1	34	0	5	0·65	- 0·30	16·0	+ 2·4	27	+ 4
	Cardiff	51	30	48·1	37·6	42·9	- 1·1	25	12	4	0·81	- 0·13	13·0	—	22	—
8. ENGLAND S.W.	Clifton	53	37	47·2	39·4	43·3	- 0·4	20	7	5	0·78	+ 0·03	11·3	—	19	—
	†Shaftesbury (Marlborough) Ⓜ	50	38	45·6	40·1	42·9	+ 0·8	14	5	4	1·02	+ 0·19	2·3	- 8·4	4	- 14
	†Arlington (Newquay)	50	35	47·3	37·6	42·5	- 0·8	22	12	4	1·59	+ 0·30	13·2	- 3·4	22	- 6
	Cullompton .. .. Ⓜ	52	33	48·4	36·2	42·3	- 1·0	26	16	6	1·10	+ 0·28	10·9	- 1·1	18	- 2
	Plymouth	53	39	51·6	42·6	47·1	+ 1·1	36	0	6	1·48	+ 0·66	14·5	+ 0·3	24	+ 1
	Falmouth	51	39	49·9	43·8	46·9	- 0·2	34	0	5	1·28	+ 0·05	13·9	- 2·1	23	- 4
	(Torquay)												12·4	- 1·9	20	- 4
9. IRELAND, N. — Western part.	Malin Head	49	35	47·0	39·9	43·5	- 0·9	19	6	6	0·63	- 0·12	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	51	36	49·1	39·7	44·4	- 1·0	26	6	6	1·56	+ 0·30	*	*	*	*
	Markree Castle	49	28	47·3	31·1	39·2	- 3·2	15	42	7	0·71	- 0·23	17·1	+ 5·6	30	+ 10
9. IRELAND, N. — Eastern part.	Armagh	49	31	46·0	34·8	40·4	- 1·7	11	28	5	0·48	- 0·20	18·9	+ 6·9	34	+ 12
	Donaghadee	51	34	47·4	35·3	41·4	- 2·6	15	28	4	0·65	- 0·11	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	52	33	48·5	37·0	42·8	- 1·8	27	14	2	0·05	- 0·57	19·1	+ 4·0	34	+ 7
	Kilkenny	50	25	47·3	32·3	39·8	- 3·6	15	38	4	0·48	- 0·24	*	*	*	*
	Waterford	51	27	48·6	34·0	41·3	- 2·9	18	33	3	0·64	- 0·30	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	49	27	46·3	31·4	38·9	- 3·6	12	40	5	0·45	- 0·28	20·8	+ 7·0	37	+ 12
	Foynes	49	30	47·1	37·1	42·1	- 2·3	21	14	7	0·80	- 0·17	*	*	*	*
	Cahir .. .. .. Ⓜ	*50*	*26*	*47·1*	*32·6*	*39·9*	*- 4·0*	*14*	*37*	*6*	*0·45*	—	*	*	*	*
	Killarney	53	32	50·1	36·6	43·4	- 1·9	32	15	4	1·42	0·00				
	Valencia	53	36	50·4	39·7	45·1	- 2·0	31	6	5	1·19	- 0·20	22·0	+ 7·6	38	+ 13
	†Roches Point (Ballinacurra) ..	52	35	49·7	38·6	44·2	- 2·1	30	10	4	0·62	- 0·50	16·2	—	28	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	54	45	52·1	46·9	49·5	+ 0·2	53	0	4	1·36	+ 0·49	14·4	- 2·1	24	- 4
	†Jersey, St. Aubins (St. Heliers)	54	37	50·3	40·3	45·3	- 2·3	30	5	3	0·37	- 0·57	13·1	- 3·7	22	- 6
	Guernsey	? 52	40	48·7	42·1	45·4	- 2·6	24	0	3	0·34	- 0·74	4·9	- 8·5	8	- 14

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 11·4 hrs., 19 %; Brighton, 10·1 hrs. (- 4·7), 17 % (- 8 %); Bournemouth, 7·6 hrs., 13 %; Bognor, 9·2 hrs., 15 %; Rhyl, 15·3 hrs., 27 %; Tenby, 19·5 hrs. (+ 5·8), 33 % (+ 10 %).

Values printed in italic type will not be used for the calculation of "District Means" until the commencement of 1908.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	46·3
	Crathes	6	13	41·2	45·8
	Balmoral	6	15	—	—
	Marchmont ..	4	22	40·4	—
2.	Cockle Park	3	25	40·5	45·5
	York	—	—	44·6	49·2
	Hull	3	22	42·9	49·3
	Lincoln	—	—	43·3	49·1
3.	Lowestoft	0	31	46·3	50·0
	Cambridge	4	27	45·6	49·9
	Dunmow				
	Clacton-on-Sea ..	3	23	47·7	52·0
4.	Harrogate	3	22	43·5	46·0
	Sheffield	3	24	43·7	48·7
	— — ..				
	Birmingham	4	20	44·3	49·1
	Nottingham	4	24	42·2	48·1
	— — ..				
5.	Kew	2	26	44·8	50·1
	Canterbury	2	27	46·2	51·2
	Portsmouth	1	29	47·4	51·9
	Wisley	1	25	45·2	49·9
6.	Glasgow	5	25	—	—
	Rothesay	—	—	—	46·7
	Dumfries	? 5	17	—	—
	Douglas	3	26	—	—
7.	Newton Rigg ..	6	20	43·1	47·2
	Southport	4	18	42·1	47·8
	Manchester City ..	1	28	43·5	49·9
	Bettws-y-Coed ..	2	28	43·9	48·6
	— — ..				
8.	Llangammarch Wells	6	18	45·4	49·9
	— — ..				
	Bath	—	—	47·7	53·0
	Plymouth	1	30	45·3	—
9.	Armagh	2	24	42·8	48·6
	Markree Castle ..	7	21	—	—
10.	Dublin, Trin. Coll. ..	4	24	44·3	48·8
11.	Guernsey, Brooklyn	1	26	48·6	53·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	47	47·0
	Kirkwall	47	46	46·4
	Wick	[50]	[50]	[50·0]
SCOTLAND, E.	Cromarty	45	43	44·0
	Pennan Bay	46	44	45·3
	Aberdeen, Cove Bay ..	47	36	42·9
ENGLAND, N.E.	Burnmouth, Berwick ..	47	44	46·0
	Scarborough	54	48	50·6
ENGLAND, E.	Shipwash Lightship ..	52	50	51·2
	Margate	50	46	48·3
ENGLAND, S.E.	Eastbourne‡	51	50	50·1
SCOTLAND, W.	Lamlash	50	48	49·3
	Ballantrae	47	46	46·8
ENGLAND, N.W.	Port Erin	52	51	51·4
ENGLAND, S.W.	Newquay	51	50	50·7
	Plymouth‡	55	54	54·1
	Salcombe	54	53	53·5
IRELAND, N.W.	Sheephaven	51	49	49·8
	Ballyglass	50	46	48·1
IRELAND, S.W.	Cleggan	51	47	48·7
	Seafield	52	47	49·8
IRELAND, E.	Kingstown‡	—	—	—

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

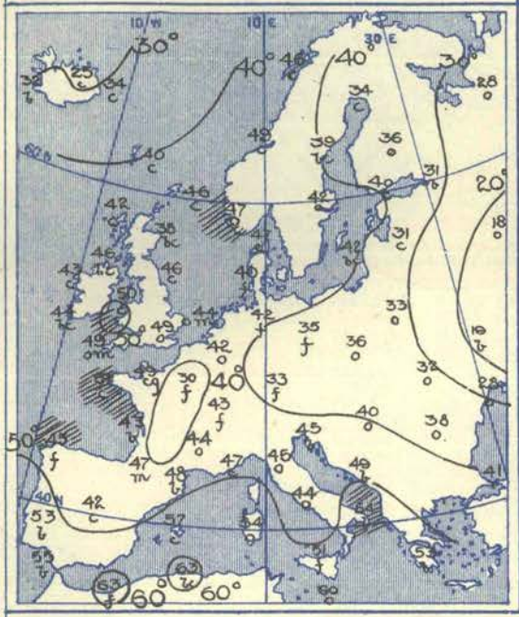
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

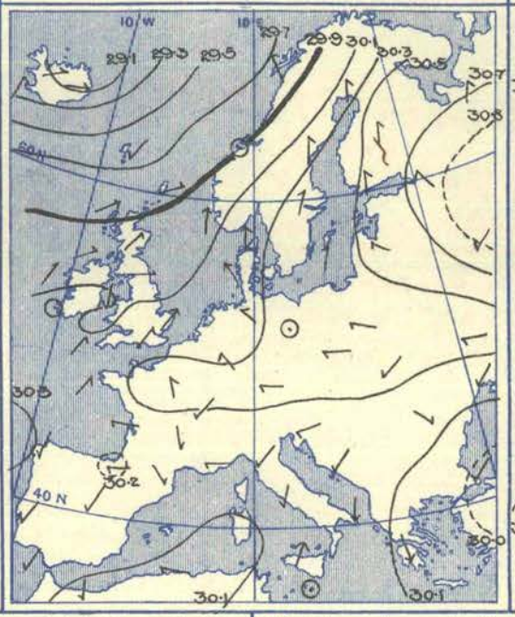
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 17th November, 1907.

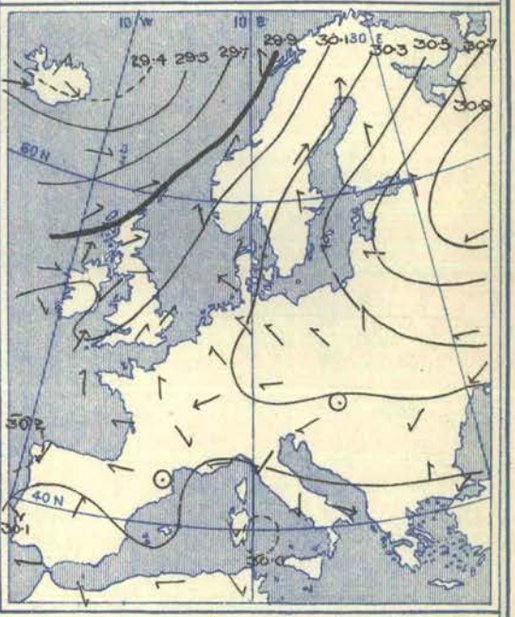
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast over our area as a whole, but fine and bright in some localities, mostly in the south. Foggy in several parts of France and Germany, and rainy at Aix-la-Chapelle, Vienna, and Constantinople. Rain experienced later in most parts of these Islands, as much as 0·9 in. at Scilly, and more or less rain falling in Norway and Sweden and in some Mediterranean and south-eastern regions. Largest amounts 2·0 ins. at Cagliari, and 3·0 ins. at Constantinople.

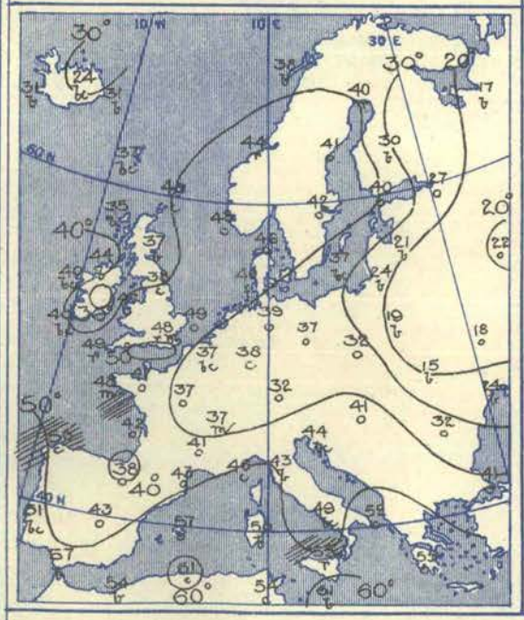
Temperature risen in England, fallen in Ireland, Scotland, and France, changed irregularly in most other regions. Readings in morning below 20° in central Russia and no higher than 30° at Paris; below 40° over the greater portion of central Europe, but about 50° on our southern and south-western coasts, and also in the south of our area; highest value 63° at Nemours and Algiers. Frost continuing throughout the day in Russia, and maxima not much above 32° in Poland. Thermometer rising to above 50° in most parts of these Islands and southern Europe, and above 60° to 70° in Algeria.

Wind in morning varying locally, but mainly between South and West over the north-western half of our area and generally light or moderate; fresh to high winds from the Northward prevailing in the south-east of Europe, but light variable breezes general over the Mediterranean, Italy, and the Spanish Peninsula. Little change as a whole later, but veering to the Northward in Wales and the south of Ireland. Decreasing in force over south-eastern Europe.

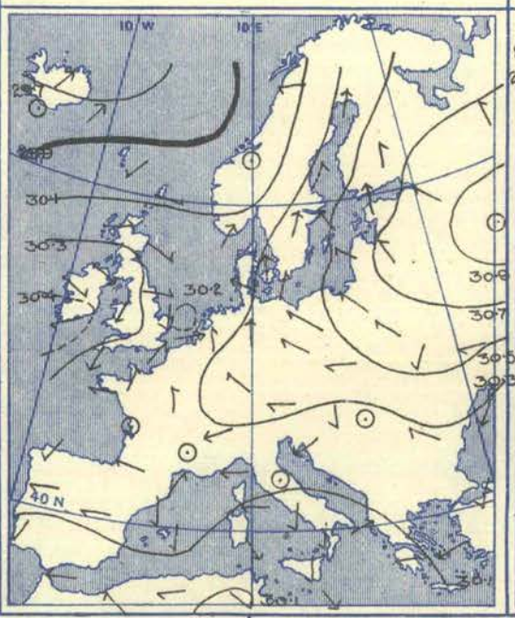
Barometer in morning above 30·8 ins. in an anticyclone over Russia, and relatively high in a band extending thence to the Bay of Biscay. Below 30·0 ins. over Asia Minor, and less than 29·1 ins. in a large depression to the northward of Iceland. High pressure system gaining somewhat in intensity during day, and northern depression apparently travelling north-eastwards. A feeble secondary disturbance over the St. George's Channel increasing slightly in depth.

Monday, 18th November, 1907.

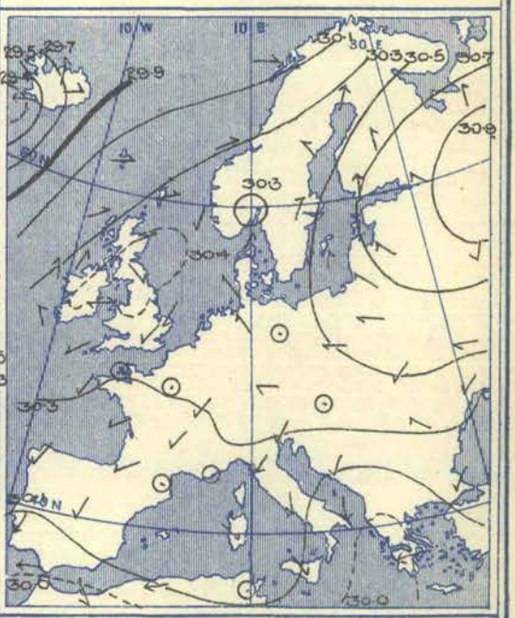
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Iceland, Ireland, Scotland, and in various parts of the Mediterranean region; cloudy or overcast in almost all other regions, with fog at Spurn Head and at several French stations, rain at Palmero, over the southern half of England, and in some Scandinavian localities, and snow at Vienna. Rain falling all day in London and at some other places in the south of England, and considerable measurements experienced in Denmark and Scandinavia.

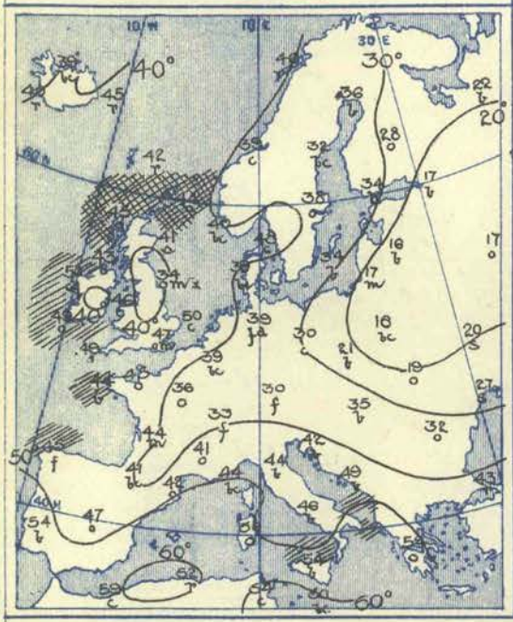
Temperature changed little as a whole, but fallen in Poland and the adjacent portion of Germany. Readings in morning ranging from about 60° in the extreme south to 50° in the south of England, below 35° over inland Ireland and a large part of central Europe, and to below 20° over the major portion of Russia and Poland. Rising during day to 70° at Algiers, to above 60° in the south generally, and to about 50° at most English and Irish stations. Maxima low over the central countries; frost continuing in several localities.

Wind in morning varying greatly; mainly between North and West over the United Kingdom and from the Northward over Italy and its vicinity. Easterly and light over central Europe, and moderate to strong from the Southward over Scandinavia. Becoming North-Easterly on our southern coasts later and Southerly in Ireland and western Scotland as well as in Iceland. Little change elsewhere.

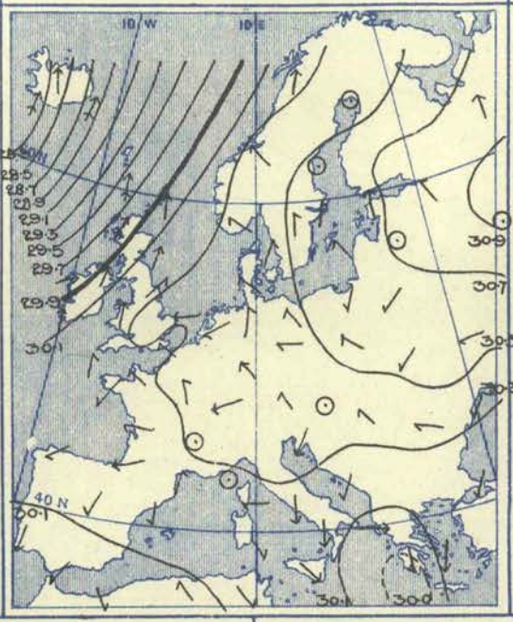
Barometer in morning above 30·9 ins. over central Russia, and above 30·4 ins. in an anticyclone extending from the Atlantic to central Ireland. Relatively low over the Mediterranean and in a small disturbance off the east of England, and below 29·7 ins. in a large disturbance to the northward of Iceland. Atlantic high pressure system travelling north-eastwards later in day and a fresh depression approaching Iceland. Russian anticyclone maintaining its position and intensity.

Tuesday, 19th November, 1907.

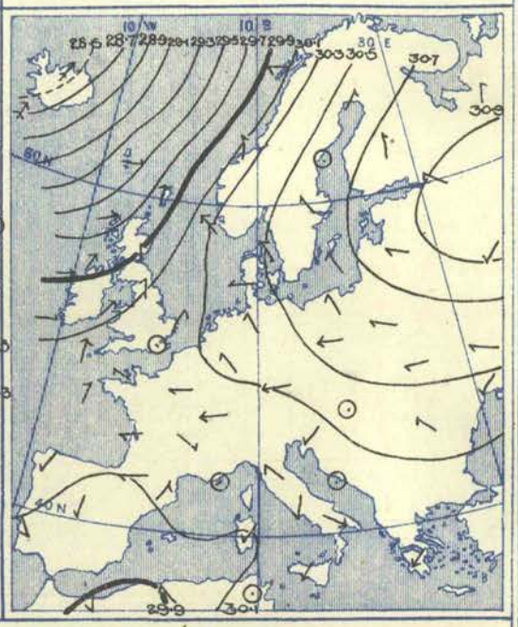
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast over the greater portion of our area, with rain in Iceland and at Bodö, as well as at Algiers and Constantinople, slight drizzle at Nottingham and Cuxhaven, and snow in southern Russia. Fine and bright on the shores of the Gulf of Bothnia, in Portugal, and Italy. Rain falling later in the west and north of our Islands and heavier amounts at Palma and Alicante, as much as 2·1 ins. at the former station.

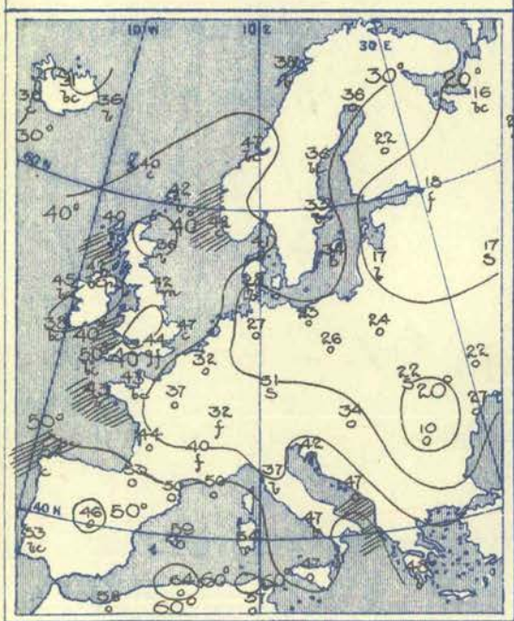
Temperature risen in Ireland, Scotland, and Iceland, fallen in nearly all other regions. Readings in morning below 20° over most of Russia, in Poland, and East Prussia, and less than 40° in various parts of these Islands and France. Above 50° on most shores of the Mediterranean, and above 60° at several stations on the north coast of Africa. Thermometer rising to 70° during day at Nemours and Oran, and touching or slightly exceeding 60° at a few other southern stations. Frost continuing all day over Russia and its immediate vicinity, and maximum only 50° at Athens. Readings slightly below 50° over the major part of these Islands.

Wind in morning strong to a gale from the Southward on our extreme north-western and northern coasts and between that region and Iceland, light and mainly Easterly over the south of England and the adjacent portion of the Continent, as well as over the central countries; chiefly Northerly over Italy and the south-east of our area, and high at Athens. Gale increasing in strength in Iceland by evening, but decreasing on our north and north-west coasts; a gale from South-East setting in at Skudesnaes.

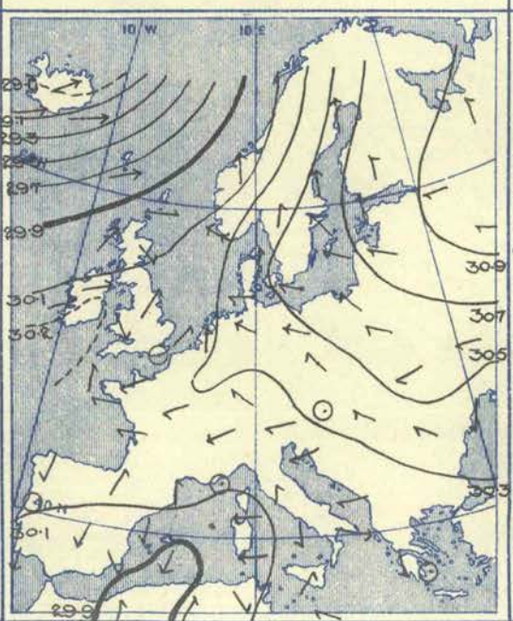
Barometer in morning above 30·9 ins. in an anticyclone over Russia, below 30·0 ins. in a depression to the westward of Greece, and below 28·3 ins. in a very large system having its centre to the westward of Iceland. Gradients very steep over the north-western part of our area. Northern disturbance travelling north-eastwards during day and barometric gradient becoming less steep in the immediate neighbourhood of the United Kingdom. Russian high pressure system maintaining its position.

Wednesday, 20th November, 1907.

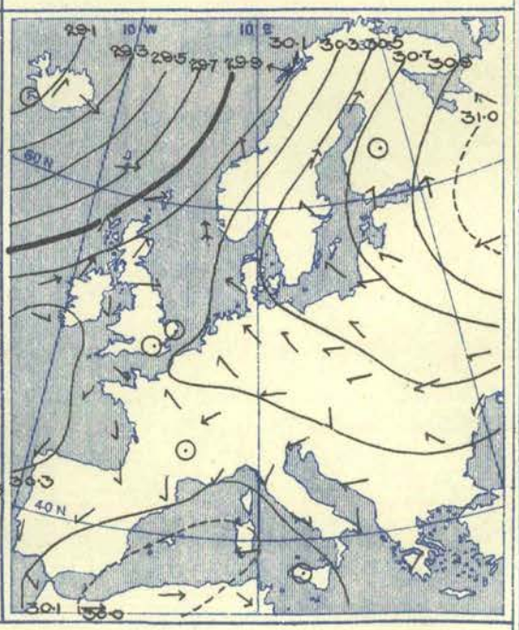
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of Ireland, Scotland, Scandinavia, and Italy, cloudy or overcast in nearly all other regions, with rain at Bilbao, Cagliari, and at some Algerian stations, and snow at Munich and Lemberg. Fog prevailing over the inland parts of England. Rain falling later at various places in the United Kingdom, but in slight amounts, about 0·5 in. at Oran and Constantinople, and as much as 1·4 in. at Biarritz. Great darkness nearly throughout the day in London, apparently owing to a high fog.

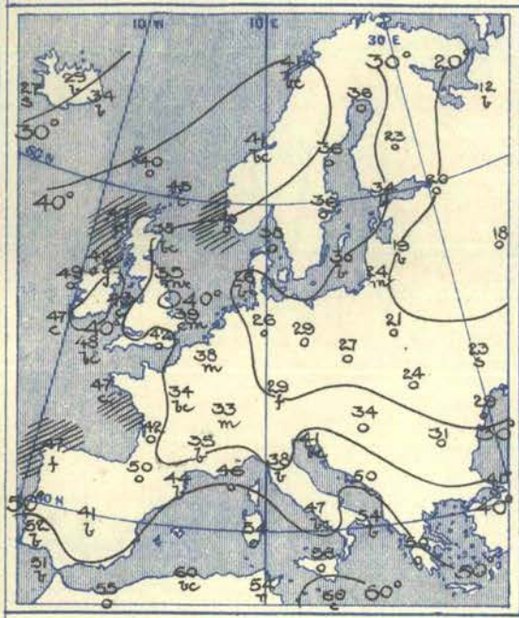
Temperature changed rather irregularly. Readings in morning above 60° at some stations in Algeria and above 40° on most English coasts; below 32° over the Continent as a whole, below 20° over most of Russia, and as low as 10° at Hermanstadt. Rising later to 75° at Algiers, but not touching 60° in the south generally, and remaining below 50° over the greater portion of these Islands. Frost continuing all day over Russia and in some parts of central Europe. Maximum only 50° at Brindisi.

Wind in morning showing a vast anticyclonic movement over the eastern half of our area, and a moderate to strong Westerly to South-Westerly current in the north-western regions. Calms and variable airs prevailing over England and a Northerly breeze in Wales. A high wind from North-East blowing at Palma and moderate breezes from between North and East over the Mediterranean region as a whole. No very important change during day; a gale from South South-East continuing at Skudesnaes.

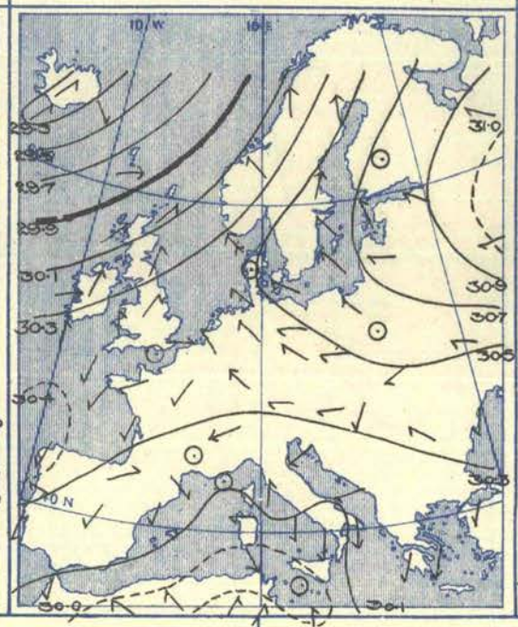
Barometer in morning above 30·9 ins. over the northern half of Russia, below 29·9 ins. in a depression over the most western portion of the Mediterranean, and less than 29·0 ins. in a large disturbance to the northward of Iceland. A shallow secondary shown over Wales and the south-west of England. Pressure increasing to 31·01 ins. later at Moscow. Depression over our south-western districts almost dispersing by evening, and another high pressure system encroaching over our Islands from the Atlantic.

Thursday, 21st November, 1907

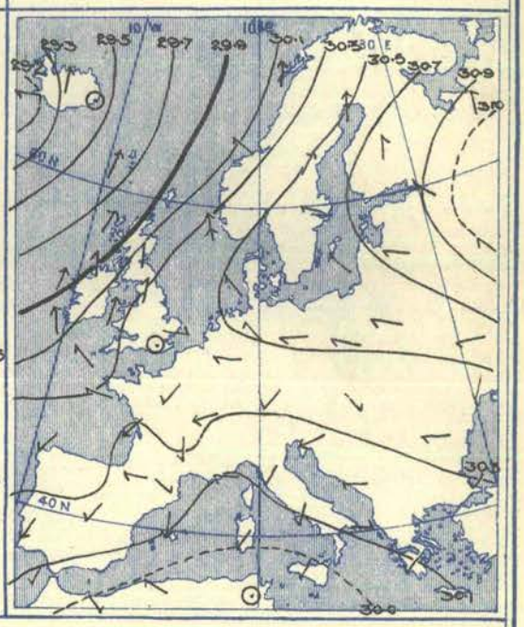
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over a considerable portion of the south of our area and at a few stations elsewhere; cloudy or dull generally, with rain at Stornoway, Faerder, Lyons, and Tunis, and snow at Kieff and Reykjavik. Fog prevailing over central England, and in various parts of Germany. More than 0·5 in. of rain falling later at Malta and Oran, 0·8 in. at Valencia (Ireland), and more than an inch at Blacksod Point and Stornoway.

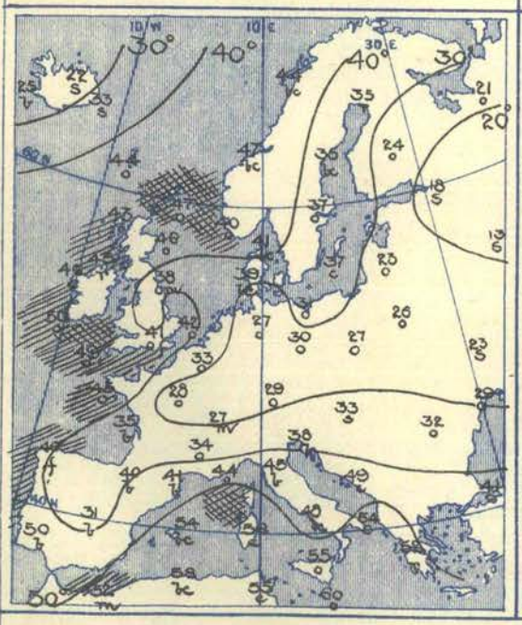
Temperature showing little change. Morning readings ranging from 66° at Malta and 60° at Algiers, to below 32° over Russia, Finland, and Iceland, and to less than 20° at Moscow and Archangel. Maxima below the freezing point in many German localities, no higher than 39° at Turin, 44° at Constantinople, and 47° at Gap. Thermometer remaining below 44° at some of our own stations and at Paris, but rising to above 60° in some extreme southern localities and touching 70° at Algiers and Malta.

Wind in morning South-Westerly in Ireland and Scotland and between Iceland and Scandinavia; mainly Northerly to Easterly over the south of our Islands, France, and the Mediterranean region, and anticyclonic over the east and north-east of our area. Little force beyond a moderate breeze except at Skudesnaes. Southerly current becoming high or increasing to a gale later in day or during the night on our west and far northern coasts, and a gale continuing on the south-west coast of Norway.

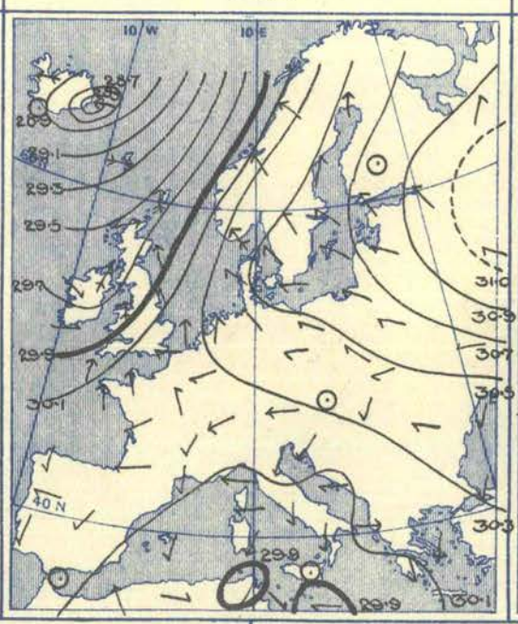
Barometer in morning above 31·0 ins. over central Russia and above 30·4 ins. off the north-west of Spain. Below 30·0 ins. in an irregularly shaped system over the extreme south of our area and below 29·4 ins. over Iceland. A large and deep disturbance approaching Iceland during the ensuing twenty-four hours, and a secondary system appearing over our western districts. Gradients becoming much steeper over the north-west of our area. Scarcely any change within the anticyclonic system.

Friday, 22nd November, 1907.

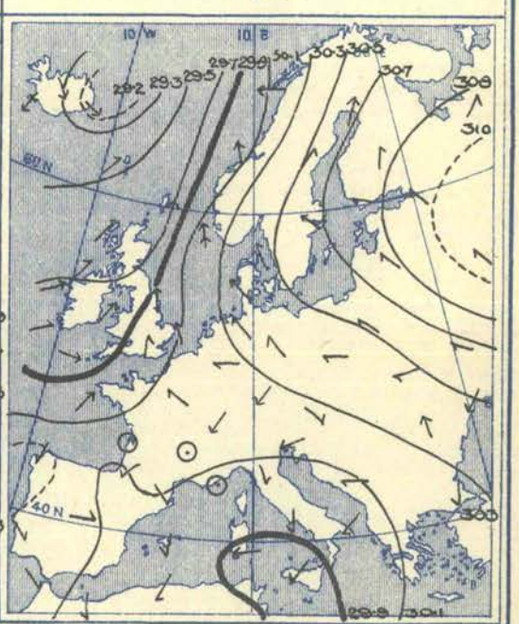
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough, with occasional rain in our western and northern districts, and with snow in Iceland; cloudy or overcast in most other parts of our area, with snow at Buda-Pesth and at a few Russian stations. Fair or fine in many southern localities, but rain falling at Patras and Sfax. Rain falling during day at most of our own and the neighbouring Continental stations, amount at Sumburgh Head 1·1 in.; heavy falls also in Algeria and southern Italy.

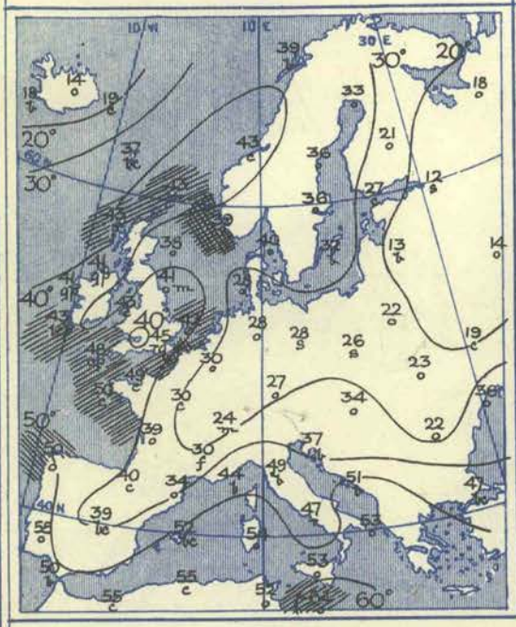
Temperature risen over the United Kingdom, fallen in almost all other regions. Readings in morning below 32° over central Europe and Russia, and also at Madrid and in Iceland, and no higher than 40° at Rome; lowest readings 13° at Moscow and 11° at Kharkoff. Thermometer standing at about 50° on our south-west coasts, rather higher on some shores of the Mediterranean, and as high as 60° at Malta. Remaining below the freezing point all day in many parts of central Europe.

Wind in morning strong to a gale from the Southward along our western and extreme northern coasts, from West at Thorshavn, from the Northward or Eastward in Iceland, and from South South-East at Skudesnaes. A light anticyclonic circulation prevailing over Russia and the adjacent countries, and light to moderate breezes, mainly from between East and North, on the shores of southern Europe. Gales on our western coasts dying down later, not much change elsewhere.

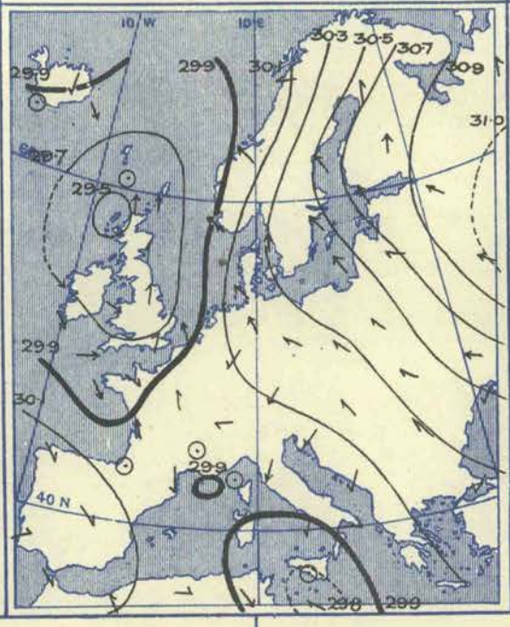
Barometer in morning ranging from above 31·0 ins. over the northern districts of Russia to below 28·5 ins. in a depression having its minimum over the east of Iceland. Relatively low in a "V-shaped" disturbance over our western districts and also in two shallow minima over the Mediterranean. Icelandic disturbance moving northwards during day, and "V-shaped" system travelling eastwards to Irish Sea.

Saturday, 23rd November, 1907.

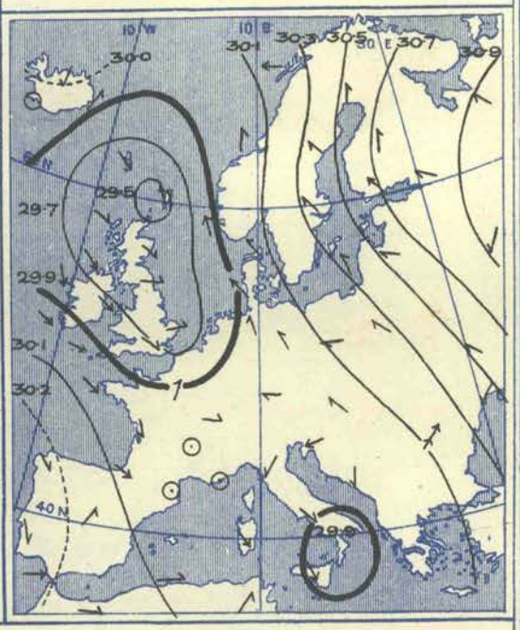
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather mostly dull over Europe as a whole, with passing showers or steady rain at many of our own stations, some of those in France, and snow at some German, Austrian and Russian stations. Fine only at a few isolated places. Rain general over England during day and over the greater part of the Continent, heaviest falls 0·7 in. at Biarritz and 1·1 in. at Sumburgh Head.

Temperature rather higher at some of the English stations, but fallen over Europe as a whole. Morning readings lowest, below 20° over Russia and Iceland, below 40° at many Scotch and Irish stations; highest, a little below 50° at the mouth of the Channel, and above 55° on the southern shores of the Mediterranean; 64° at Malta. Maxima exceeding 50° at very few of our stations during day, exceeding 60° at many places in southern Europe, and reaching 66° to 68° at Malta and in Algeria.

Wind at a.m. North-Westerly strong over our western districts and the Bay of Biscay; Southerly to South-Easterly light to strong over Scotland, the east of England, the North Sea and Scandinavia, a strong gale at Skudesnaes; South-Easterly to North-Easterly light over eastern and central Europe; North-Easterly to North-Westerly, fresh over Italy and the neighbouring part of the Mediterranean. Wind veering to West over Great Britain during day; gale at Skudesnaes subsiding, little other change.

Barometer in morning highest in a large anticyclone over Russia, maximum readings 31·0 ins. and upwards at Moscow and to the eastward. Lowest 29·5 ins. and less in a depression between Faeröe and Scotland; relatively low, 29·8 ins. and less, in a cyclonic system over Sicily. Depression off Scotland moving slowly eastwards during day, that over Sicily also moving eastwards.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫ = a heavy gale; ⟩ = a gale; → = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
November 17th, 10.5 a.m. to 12.17 p.m.	Brighton, 380 ft.	Temperature F.	51°		38°					Three kites, 127 sq. ft.; 6,000 ft. wire. Max. height, 3,600 ft. Overcast, light clouds at various heights above 2,200 ft.
		Humidity	80%	90%	90%					
		Wind Velocity, m. per hr.	WSW, 10	SW by W, 25	SW by W, 25					
November 22nd, 3.15 p.m.	Brighton, 380 ft.	Temperature F.	45°							Light SSE wind, S by E above and failing. Too light to take up meteorograph.
		Humidity								
		Wind Velocity, m. per hr								
November 23rd, 11.3 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature F.	45°	41°						Max. height, 2,500 ft., temperature, 37°. Cloud level, 1,700 ft. Scud, 700 ft. Erratic wind near the ground. Wind backing during ascent.
		Humidity	90%	95%						
		Wind Velocity, m. per hr.	W by N, 18	W, 25						

63, Victoria Street, London, S.W. *November 27th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 48. FORTY-EIGHTH WEEK, ENDING SATURDAY, NOVEMBER 30TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—Until very nearly the close of the week the weather was extremely unsettled, with heavy falls of rain in nearly all parts of the country, and snow in all the more northern and central districts. Between Tuesday and Thursday thunderstorms or thunder or lightning alone were observed in many parts of England, Wales and the south of Ireland, the phenomena being very general on Wednesday over our southern and eastern counties. After Thursday a gradual but decided improvement in the weather was experienced.

Temperature was below the average in all districts excepting England E. and S. and the English Channel. In the northern and north-western parts of the Kingdom the deficit amounted to at least 3°, and in Scotland W. to as many as 5°. The highest readings were recorded, as a rule, between Tuesday and Thursday, when the thermometer rose to 55° and upwards in most of the English districts. In the east of Scotland and the north of Ireland it did not exceed 50° and in the north and west of Scotland it did not reach that level. The lowest readings occurred at various times, but chiefly on the night either of Sunday, Monday or Friday. In the shelter of the screen the lowest values reported were 15° in Scotland E. (at Balmoral), 20° in Scotland W. (at Cally) and 21° in Ireland N. (at Markree Castle). On the surface of the grass readings below 20° were registered in many places, the lowest being 10° at Balmoral, 14° at Crathes and Markree Castle, and 16° at Llangammarch Wells.

Mean Temperature of the Sea showed a further decrease, especially on the Irish coasts, where the mean values were from two and a half to three degrees lower than in the preceding week. The actual values ranged from 52°·7 at Plymouth and 50° and upwards at several stations in the west and south to 45° or rather below it on many parts of the Scottish coasts.

Rainfall was largely in excess over the country generally, the amount in the eastern, central and southern parts of England and in the Channel district being more than twice as much as the average. In Scotland W. the conditions were normal, while in Scotland N. there was a large deficit. Amounts exceeding an inch were recorded on Tuesday at many places in the south-east of England and also in some parts of Scotland.

Bright Sunshine was in excess of the average in all districts excepting Scotland N., where there was a slight deficiency. The percentage of the possible duration ranged from 39 in England N.E. and 30 and upwards in most of the other English districts and in Ireland to 21 in Scotland E. and 13 in Scotland N.

Barometer and Wind.—During the greater part of the week the weather was influenced by cyclonic disturbances which advanced directly over these Islands from the Atlantic. During the passage of the first of these systems on Sunday and Monday the wind veered from S.W. to N.W., but on Tuesday, when a new depression travelled in a north north-easterly direction across Ireland and Scotland, it backed temporarily to points between S. and E., and increased to a gale on many parts of our coasts. On Wednesday and Thursday a disturbance, which was originally of considerable depth, but which afterwards became much shallower, advanced eastwards across Ireland and England, and for a time a complete cyclonic circulation of air prevailed over these Islands. In the rear of this system an anticyclone spread in from the Atlantic, and the wind became generally northerly, inclining to N.W. in the north, but to N.E. in the south.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 380.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Unusual	Moderate	Unusual	Deficient	Deficient	Moderate	Deficient	Deficient	Unusual
	Rainfall ...	Light	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Very heavy
	Sunshine ...	Moderate	Abundant	Very abundant	Abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1907. 13 weeks from Sept. 1st.	Warmth ...	7 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	2 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	6 * 1	6 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	4 * 1	5 * 4	4 * 5	4 * 6	2 * 3

PAST SEASONS.

AUTUMN, 1906. Sept. 2nd–Dec. 1st. 13 weeks.	Warmth ...	7 * 0	7 * 0	6 * 0	8 * 1	6 * 1	5 * 2	7 * 0	6 * 2	5 * 4	6 * 1	6 * 1	7 * 1
	Rainfall ...	6 * 5	7 * 3	4 * 5	5 * 5	5 * 5	6 * 3	2 * 3	5 * 5	3 * 5	2 * 4	3 * 6	3 * 4
	Sunshine ...	6 * 2	6 * 4	7 * 4	4 * 2	5 * 5	5 * 2	5 * 3	7 * 3	6 * 2	7 * 4	4 * 4	4 * 3
WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (48th)—November 24th to November 30th, 1907.

DISTRICTS. (See p. 379.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	49	22	41·3	32·1	36·7	− 3·4	0	− 11	37	+ 12	5	− 1	0·86	−0·47	6	− 1	11	− 2
Eastern																		
1. SCOTLAND, EAST	50	15	42·4	29·3	35·9	− 3·5	1	− 9	45	+ 15	3	0	0·74	+0·14	15	+ 7	31	+13
2. ENGLAND, N.E.	53	25	44·7	33·4	39·1	− 2·0	8	− 6	32	+ 11	5	0	0·79	+0·30	21	+ 11	39	+21
3. ENGLAND, EAST	57	24	48·5	35·6	42·1	+ 1·4	28	+ 13	18	− 7	6	+ 3	1·17	+0·64	16	+ 5	28	+ 9
4. MIDLAND COUNTIES	58	24	46·0	33·4	39·7	− 0·7	11	− 4	33	+ 7	5	+ 1	1·10	+0·57	19	+ 9	34	+16
5. ENGLAND, SOUTH	57	29	50·3	38·3	44·4	+ 2·0	32	+ 11	10	− 8	5	+ 2	1·53	+0·89	17	+ 6	30	+11
Western																		
6. SCOTLAND, WEST	48	20	42·6	31·2	36·9	− 5·0	1	− 15	38	+ 20	4	0	1·26	0·00	14	+ 5	26	+10
7. ENGLAND, N.W.	51	22	44·5	33·9	39·3	− 3·0	7	− 11	31	+ 16	5	+ 1	1·37	+0·51	16	+ 7	29	+13
8. ENGLAND, S.W.	56	23	49·0	38·2	43·6	− 0·1	27	+ 2	11	− 3	5	+ 1	1·53	+0·53	18	+ 5	31	+ 8
9. IRELAND, NORTH	50	21	44·1	33·6	38·9	− 3·4	6	− 12	31	+ 15	4	− 1	1·06	+0·19	18	+ 8	34	+14
10. IRELAND, SOUTH	52	23	46·4	35·6	41·0	− 2·8	12	− 14	25	+ 12	6	+ 1	1·75	+0·83	17	+ 4	30	+ 8
11. ENGLISH CHANNEL	58	40	53·4	45·4	49·4	+ 2·1	52	+ 12	0	− 2	4	− 1	2·23	+1·33	17	+ 3	29	+ 5

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 13 Weeks, September 1st to November 30th, 1907.

0. SCOTLAND, NORTH	87	22	*	*	*	*	576	*	106	*	64	− 2	9·65	*	259	*	28	*
Eastern																		
1. SCOTLAND, EAST	78	15	*	*	*	*	590	*	113	*	49	− 4	8·82	*	298	*	32	*
2. ENGLAND, N.E.	79	25	*	*	*	*	749	+ 93	71	− 14	49	− 1	7·24	−0·05	322	*	34	*
3. ENGLAND, EAST	81	24	*	*	*	*	903	+155	39	− 61	46	− 1	5·53	−1·70	330	*	35	*
4. MIDLAND COUNTIES	77	24	*	*	*	*	758	+ 74	76	− 42	46	− 1	8·55	+1·19	300	*	31	*
5. ENGLAND, SOUTH	78	24	*	*	*	*	968	+120	27	− 40	47	+ 1	8·83	+0·34	331	*	35	*
Western																		
6. SCOTLAND, WEST	79	20	*	*	*	*	677	*	82	*	53	− 2	12·21	*	246	*	26	*
7. ENGLAND, N.W.	80	22	*	*	*	*	771	+ 63	61	− 1	51	− 1	9·15	−1·41	286	*	30	*
8. ENGLAND, SW	76	23	*	*	*	*	872	+ 51	26	− 25	55	+ 1	12·36	+0·43	333	*	35	*
9. IRELAND, NORTH	74	21	*	*	*	*	729	+ 67	63	− 8	57	− 3	9·02	−1·99	289	*	25	*
10. IRELAND, SOUTH	77	23	*	*	*	*	834	+ 59	59	− 1	60	+ 6	11·30	+0·40	258	*	27	*
11. ENGLISH CHANNEL	81	36	*	*	*	*	1194	+117	0	− 4	52	− 7	11·93	+1·45	331	*	39	*

THE YEAR.—Aggregates, &c., for the period of 48 Weeks, December 30th, 1906, to November 30th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1851	*	628	*	245	+19	45·51	*	1099	*	26	*
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2021	*	712	*	193	+ 7	28·26	*	1280	*	30	*
2. ENGLAND, N.E.	82	15	*	*	*	*	2591	− 15	572	+ 12	177	+ 7	21·87	− 0·88	1454	*	35	*
3. ENGLAND, EAST	81	10	*	*	*	*	2975	− 33	557	− 64	165	+ 2	18·90	− 3·56	1525	*	36	*
4. MIDLAND COUNTIES	82	10	*	*	*	*	2736	−184	616	− 35	175	+13	25·38	+1·29	1367	*	33	*
5. ENGLAND, SOUTH	81	16	*	*	*	*	3107	−160	461	+ 13	161	+ 5	23·15	−1·45	1583	*	38	*
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2386	*	486	*	206	+11	45·38	*	1232	*	29	*
7. ENGLAND, N.W.	81	15	*	*	*	*	2598	−177	479	+ 31	202	+22	32·53	+0·77	1339	*	32	*
8. ENGLAND, S.W.	82	5	*	*	*	*	2855	−258	422	+ 70	200	+21	35·36	+0·75	1487	*	36	*
9 IRELAND, NORTH	81	16	*	*	*	*	2462	−187	355	− 61	228	+16	36·36	+1·47	1189	*	28	*
10. IRELAND, SOUTH	85	11	*	*	*	*	2959	−102	315	− 4	223	+34	33·50	−2·60	1295	*	31	*
11 ENGLISH CHANNEL	81	21	*	*	*	*	3573	− 90	96	− 17	176	−16	26·68	−2·48	1716	*	41	*

November 24-30, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness)	47	32	43·4	34·9	39·2	- 2·1	4	26	7	0·54	- 0·41	2·1	- 4·1	5	- 9
		Stornoway	46	31	42·9	34·9	38·9	- 2·5	3	25	6	0·74	- 0·53	4·5	- 3·7	9	- 8
	Mainland.	Wick	46	30	42·3	32·7	37·5	- 2·7	1	33	5	0·64	- 0·01	*	*	*	*
		†Lairg (Strathpeffer)	49	22	41·0	28·0	34·5	- 3·1	0	53	3	1·36	+ 0·54	11·5	+ 4·2	24	+ 9
		Glencarron	43	27	38·9	31·2	35·1	- 4·3	0	48	4	1·21	- 0·96	*	*	*	*
		Fort Augustus	45	27	40·2	31·5	35·9	- 4·3	0	43	4	0·61	- 0·46	3·8	+ 1·6	8	+ 3
		Fort William	44	27	40·1	31·6	35·9	- 5·6	0	43	4	0·93	- 1·11	*	*	*	*
		(West Linton)												15·9	—	31	—
1. SCOTLAND, E.		Nairn	46	22	41·1	28·9	35·0	- 4·5	0	49	3	0·82	+ 0·32	14·8	—	30	—
		Aberdeen	46	29	43·4	33·0	38·2	- 2·3	4	32	3	0·69	- 0·06	10·9	- 0·1	22	0
		†Balmoral (Crathes)	50	15	45·9	23·0	34·5	- 2·3	11	70	2	0·62	- 0·24	13·7	—	27	—
		†Crieff (Balruddery)	47	26	41·3	27·9	34·6	- 4·8	0	52	2	1·01	- 0·02	23·4	—	46	—
		†Leith (Edinburgh)	44	29	41·6	32·7	37·2	- 4·3	0	34	3	0·32	- 0·18	12·8	+ 5·8	25	+ 11
		Marchmont	47	25	41·1	30·5	35·8	- 3·3	0	43	4	0·98	+ 0·22	16·5	+ 7·1	32	+ 14
		(Saltburn)												14·6	—	28	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	48	26	44·1	32·0	38·1	- 2·5	6	37	5	1·14	+ 0·34	24·3	—	47	—
		†Shields (Newcastle)	47	28	42·9	32·7	37·8	- 3·6	3	33	4	0·70	+ 0·15	9·6	+ 3·3	18	+ 6
		Durham	46	27	42·4	31·5	37·0	- 2·7	1	37	4	0·78	+ 0·21	17·2	+ 6·6	33	+ 13
		Scarborough	49	31	45·7	35·6	40·7	- 1·2	10	25	5	0·47	- 0·16	20·6	—	38	—
		York	48	26	44·9	32·7	38·8	- 1·9	8	35	4	0·98	+ 0·51	19·2	+ 12·0	36	+ 22
	Southern part.	Spurn Head	50	31	46·1	38·0	42·1	- 0·4	18	11	3	0·51	+ 0·07	*	*	*	*
		†Lincoln (Skegness)	53	25	46·2	32·1	39·2	- 1·0	12	38	6	0·86	+ 0·40	25·5	—	46	—
		†Fulbeck (Rauceby)	52	25	45·6	32·3	39·0	- 1·0	10	37	5	0·87	+ 0·42	18·6	—	34	—
3. ENGLAND, E.	Northern part.	Hillington	52	26	46·1	32·8	39·5	- 0·5	11	35	6	1·38	+ 0·76	15·9	+ 5·2	28	+ 9
		†Yarmouth (Lowestoft)	54	30	48·3	37·1	42·7	+ 1·0	25	14	6	1·13	+ 0·53		—		—
		Geldeston	55	24	49·6	34·3	42·0	+ 0·6	21	22	6	1·10	+ 0·55	14·8	+ 2·3	26	+ 4
		(Cromer)												13·6	—	25	—
	Southern part.	Cambridge	56	26	48·1	33·2	40·7	+ 0·2	17	35	4	0·95	+ 0·50	14·9	+ 3·6	27	+ 6
		Felixstowe	53	30	48·6	37·0	42·8	+ 0·6	27	14	5	1·34	—	16·5	—	30	—
		Clacton-on-Sea	51	31	48·3	37·6	43·0	+ 1·2	25	12	5	1·00	—	21·1	—	37	—
		Rothamsted	55	29	47·4	34·3	40·9	+ 0·4	15	31	7	1·29	+ 0·66	18·4	+ 6·9	32	+ 12
		†Shoeburyness (Southend)	54	30	49·9	37·1	43·5	+ 1·1	31	14	5	1·35	+ 0·88	20·4	—	36	—
		London, Westminster	57	33	50·0	37·4	43·7	+ 1·8	31	13	6	1·01	+ 0·48	8·4	+ 4·1	15	+ 7
		(Dunmow)													—		—
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	46	27	41·8	31·7	36·8	- 3·0	0	36	4	1·07	+ 0·44	21·8	—	40	—
		†Bawtry (Worksop)	52	25	48·4	30·9	39·7	- 1·1	18	44	6	0·62	+ 0·16	13·4	+ 4·7	24	+ 9
		Nottingham	53	26	45·7	32·7	39·2	- 1·4	10	35	6	0·94	+ 0·50	17·7	—	32	—
		Raunds	*55*	*26*	*47·4*	*32·7*	*40·1*	*- 0·5*	*15*	*37*	*5*	*1·13*	—	*	*	*	*
		Birmingham, Edgbaston	52	29	46·0	34·8	40·4	- 0·6	11	28	5	1·17	+ 0·64	15·1	—	27	—
		Oxford	56	28	48·3	35·9	42·1	+ 0·8	26	17	7	1·42	+ 0·88	22·6	+ 11·6	40	+ 20
	Western part.	†Cheadle (Sheffield)	49	24	41·9	32·7	37·3	- 2·4	0	33	4	0·98	+ 0·32	15·9	—	29	—
		Shrewsbury	50	26	44·9	32·7	38·8	- 3·5	8	35	5	1·48	—	*	*	*	*
		Hereford	53	25	46·6	34·7	40·7	- 0·3	13	29	6	0·91	+ 0·32	*	*	*	*
		Cirencester	54	29	47·0	33·0	40·0	0·0	14	35	5	1·33	+ 0·66	21·2	+ 10·2	37	+ 18
		Bath	58	30	49·4	35·1	42·3	- 0·7	31	19	4	1·03	+ 0·35	22·5	—	40	—
		(Margate)												14·0	+ 1·8	25	+ 3
5. ENGLAND, S.		Kew	55	32	49·3	36·2	42·8	+ 1·1	30	16	5	1·07	+ 0·58	12·6	+ 3·1	22	+ 5
		Wisley, Surrey	56	29	49·1	35·8	42·5	+ 0·2	30	17	5	1·12	—	10·7	—	19	—
		†Swarraton (Ventnor)	54	30	47·8	35·6	41·7	+ 1·1	16	26	7	1·52	+ 0·82	20·3	+ 7·3	35	+ 13
		Tunbridge Wells	54	30	48·7	36·4	42·6	+ 1·6	28	16	5	2·16	+ 1·42	18·1	+ 5·1	32	+ 9
		†Dungeness (Littlestone)	57	34	52·6	40·9	46·8	+ 3·3	38	3	5	1·52	+ 0·92	14·5	—	25	—
		Hastings	56	33	51·6	38·9	45·3	+ 2·0	36	9	4	2·00	+ 1·25	22·7	+ 8·3	39	+ 14
		Southampton	56	34	50·4	38·5	44·5	+ 1·3	32	10	5	1·83	+ 1·13	18·2	+ 5·8	32	+ 10
		†Portland Bill (Worthing)	56	40	53·1	44·1	48·6	+ 3·2	46	0	5	1·04	—	22·9	—	40	—
		(Eastbourne)												22·0	+ 8·9	38	+ 15
6. SCOTLAND, W.		Laudale	45	28	41·9	32·6	37·3	- 4·8	0	33	5	1·14	- 0·86	*	*	*	*
		Poltalloch	*47*	*24*	*42·0*	*28·7*	*35·4*	*- 6·2*	*0*	*46*	*4*	*1·87*	*+ 0·61*	*	*	*	*
		Glasgow	42	26	39·3	31·4	35·4	- 5·2	0	46	2	0·51	- 0·37	4·4	+ 0·4	9	+ 1
		Rothesay	*44*	*29*	*41·3*	*34·0*	*37·7*	*- 4·3*	*0*	*30*	*3*	*0·89*	*- 0·24*	*	*	*	*
		Colmonell	*45*	*27*	*43·4*	*31·9*	*37·7*	*- 4·3*	*4*	*37*	*3*	*0·70*	*- 0·41*	*	*	*	*
		Dumfries	45	25	42·2	28·4	35·3	- 5·0	1	48	3	1·36	+ 0·41	*	*	*	*
		Cally	47	20	43·3	30·9	37·1	- 3·5	4	40	4	1·22	- 0·02	*	*	*	*
		Douglas, Isle of Man	48	29	46·2	32·6	39·4	- 4·1	12	36	4	2·07	+ 0·95	23·0	+ 11·2	43	+ 21
7.	ENGLAND, N.W.	Aspatria	45	23	41·4	30·1	35·8	- 4·5	0	43	4	1·77	+ 0·82	18·9	—	36	—
		Newton Rigg	44	22	41·2	29·6	35·4	- 3·6	0	46	4	1·30	+ 0·46	14·9	+ 5·4	28	+ 10
		Stonyhurst	48	25	43·2	31·9	37·6	- 3·1	3	37	5	1·23	+ 0·24	12·2	+ 4·2	23	+ 8
		Blackpool	49	23	44·6	32·6	38·6	- 3·2	7	35	5	1·42	+ 0·66	18·2	+ 9·9	34	+ 18
		Manchester, Prestwich	49	25	44·5	33·4	39·0	- 1·8	7	32	6	1·09	+ 0·34	8·0	+ 2·9	15	+ 5
		†Liverpool Obs. (Hoylake)	49	28	45·0	35·3	40·2	- 2·2	8	26	5	1·04	+ 0·44	16·8	—	31	—
		†Hawarden Bridge (Southport)	51	24	45·6	34·8	40·2	- 3·0	10	28	5	1·00	+ 0·53	16·5	+ 7·9	31	+ 15
	NORTH WALES	Llandudno	51	32	47·4	38·5	43·0	- 1·4	22	10	5	1·10	+ 0·38	20·0	+ 9·7	36	+ 18
		†Holyhead (Aberdovey)	51	36	47·4	39·4	43·4	- 1·6	21	7	5	2·39	+ 1·44	21·7	—	39	—
		Bettws-y-Coed	50	26	45·1	33·7	39·4	- 4·8	9	31	6	1·39	—	12·6	—	23	—
		(Aberystwyth)												19·7	—	35	—
8.	SOUTH WALES	Llangammarch Wells	52	23	45·2	33·6	39·4	- 1·3	9	32	6	2·52	—	10·2	—	18	—
		Pembroke	53	34	50·4	41·4	45·9	- 0·1	30	2	5	1·18	+ 0·23	13·9	+ 1·4	24	+ 3
		Cardiff	55	28	48·8	35·9	42·4	- 0·8	28	17	4	1·46	+ 0·51	24·6	—	43	—
	ENGLAND S.W.	Clifton	56	31	48·6	37·9	43·3	+ 0·4	26	11	5	1·30	+ 0·56	20·2	—	35	—
		†Shaftesbury (Marlborough)	53	33	46·9	36·7	41·8	+ 0·8	14	22	5	1·78	+ 0·98	17·3	+ 8·3	30	+ 15
		†Arlington (Newquay)	54	34	49·1	37·1	43·1	+ 0·7	28	14	5	1·17	- 0·11	18·9	+ 3·9	33	+ 7
		Cullompton	56	30	50·3	36·5	43·4	+ 1·0	33	15	4	0·92	+ 0·12	17·5	+ 6·6	30	+ 11
		Plymouth	55	35	51·4	40·6	46·0	+ 0·7	34	4	4	1·22	+ 0·41	17·7	+ 4·7	31	+ 8
		Falmouth	55	39	50·6	43·7	47·2	+ 0·8	36	0	5	2·21	+ 0·98	16·0	+ 1·7	28	+ 3
		(Torquay)												20·8	+ 7·6	36	+ 13
9. IRELAND, N.	Western part.	Malin Head	47	34	44·7	37·3	41·0	- 2·6	8	18	5	1·27	+ 0·52	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	47	30	45·1	36·7	40·9	- 3·8	9	21	4	0·84	- 0·44	*	*	*	*
		Markree Castle	47	21	42·8	28·0	35·4	- 6·2	2	50	3	0·80	- 0·13	15·8	+ 5·7	29	+ 11
	Eastern part.	Armagh	43	29	42·3	31·1	36·7	- 4·7	1	38	4	1·20	+ 0·53	20·3	+ 9·5	38	+ 18
		Donaghadee	50	31	45·7	35·0	40·4	- 2·9	10	27	4	1·20	+ 0·45	*	*	*	*
	Eastern part.	†Dublin, City (Phœnix Park)	50	30	45·4	36·3	40·9	- 3·1	10	23	5	1·63	+ 1·03	17·0	+ 3·2	31	+ 6
		Kilkenny	48	26	44·9	33·4	39·2	- 3·4	8	32	6	1·81	+ 1·08	*	*	*	*

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	44·7
	Crathes	6	14	38·6	43·9
	Balmoral ..	7	10	—	—
	Marchmont ..	6	19	37·3	—
2.	Cockle Park	5	22	37·9	43·5
	York	—	—	41·7	47·1
	Hull	5	22	40·1	47·9
	Lincoln	—	—	40·7	47·1
3.	Lowestoft				
	Cambridge	5	17	42·7	48·6
	Dunmow	—	—	—	—
	Clacton-on-Sea ..	5	21	45·6	50·4
4.	Harrogate	5	23	40·8	44·0
	Sheffield	4	21	40·7	47·3
	— — ..				
	Birmingham	5	17	40·7	47·7
	Nottingham	6	26	39·3	46·1
	— — ..				
5.	Kew	5	22	42·7	48·6
	Canterbury	3	26	44·8	49·8
	Portsmouth	1	30	46·2	50·6
	Wisley	5	22	43·3	48·3
6.	Glasgow	7	19	—	—
	Rothesay	—	—	—	45·3
	Dumfries	7	18	—	—
	Douglas	3	23	—	—
7.	Newton Rigg ..	5	17	40·1	45·4
	Southport	3	19	39·5	45·5
	Manchester City ..				
	Bettws-y-Coed ..	3	25	41·4	47·3
	— — ..				
8.	Llangammarch Wells	5	16	43·2	48·7
	— — ..				
	Bath	—	—	45·2	51·5
	Plymouth	1	30	45·9	—
9.	Armagh	6	22	39·6	46·8
	Markree Castle ..	7	14	—	—
10.	Dublin, Trin. Coll. ..	4	25	41·8	47·1
11.	Guernsey, Brooklyn	0	33	48·4	52·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	45	45·9
	Kirkwall	46	43	44·7
	Wick	—	—	—
SCOTLAND, E.	Cromarty	44	41	42·4
	Pennan Bay	45	44	44·3
	Aberdeen, Cove Bay ..	47	45	46·4
ENGLAND, N.E.	Burnmouth, Berwick ..	46	44	45·2
	Scarborough	51	47	49·6
ENGLAND, E.	Shipwash Lightship ..			
	Margate	49	45	47·6
ENGLAND, S.E.	Eastbourne‡	51	48	50·1
SCOTLAND, W.	Lamlash	49	46	48·0
	Ballantrae	46	43	44·4
ENGLAND, N.W.	Port Erin	52	48	50·2
ENGLAND, S.W.	Newquay	50	50	50·0
	Plymouth‡	54	52	52·7
	Salcombe	52	48	50·8
IRELAND, N.W.	Sheephaven	48	46	47·0
	Ballyglass	48	40	45·3
IRELAND, S.W.	Cleggan	48	43	45·7
	Seafield	50	45	47·6
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

OBSERVATIONS IN THE UPPER AIR.

Ballon-sonde Ascent No. 15. Manchester, Nov. 7th, 1907. 6 p.m. Meteorograph No. 16.

Conditions at Starting.—Wind, E. by S., 6 m.p.h. Barometer, 30·04 ins. (763 m.ms.) Thermometer, 48° F. (9° C.). Lift, 250 grammes.

Fell near Penrith (Cumb.) 85 miles N. by W. Maximum height, 15·8 kilometres. Minimum Temperature, -64° C. (-83° F.). Average Temperature Gradient (0 to 8 Kms.) 0°63 C. per 100 metres.

Ballon-sonde Ascent No. 16. Manchester, Nov. 8th, 1907. 6 p.m. Meteorograph No. 21.

Conditions at Starting.—Wind, S.E. 4 m.p.h. Barometer, 29·70 ins. (753 m.ms.). Thermometer, 51° F. (10°·5 C.) Lift, 400 grammes.

Fell at Lancaster, 40 miles N.N.W. Maximum height, 13·0 kilometres. Minimum temperature, -58° F. (-50° C.) at 10·6 Kms. Average Temperature Gradient, (0 to 8 Kms.) 3°·0 F. per 1,000 feet (0°·54 C. per 100 metres).

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·0	+ 9	5·5	- 21	11·7	- 59	0·0	+ 10	4·4	- 12	8·8	- 39
0·7	+ 4	5·9	- 23	12·2	- 58	0·5	10	4·8	- 14	9·4	- 42
1·3	- 3	6·5	- 28	12·6	- 57	1·1	6	5·2	- 15	9·9	- 44
1·8	- 6	7·0	- 32	13·1	- 58	1·6	5	5·7	- 20	10·6	- 50
2·1	- 2	7·5	- 36	13·8	- 59	2·1	4	6·1	- 23	11·2	- 49
2·6	- 4	8·0	- 39	14·6	- 60	2·6	+ 2	6·8	- 27	11·6	- 45
3·1	- 7	8·7	- 44	15·3	- 61	3·1	- 3	7·4	- 32	12·0	- 44
3·5	- 9	9·3	- 49	16·1	- 62	3·6	- 6	7·7	- 30	12·8	- 47
3·9	- 10	10·0	- 51	17·0	- 62	4·0	- 8	8·3	- 35	13·0	- 46
4·5	- 14	10·8	- 56	18·6	- 64						
4·9	- 17	11·2	- 59	18·8	- 63						

These ascents have been previously referred to on p. 356, No. 45, and p. 368, No. 46. These results have been communicated by Dr. J. E. Petavel, F.R.S., of Manchester University.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

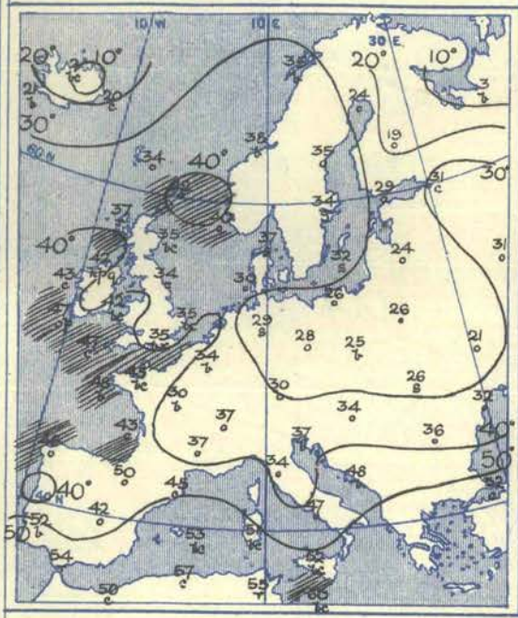
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, only once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, only once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

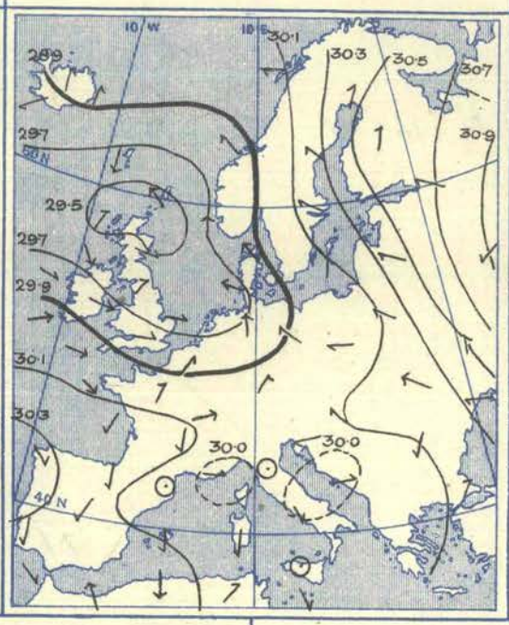
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 24th November, 1907.

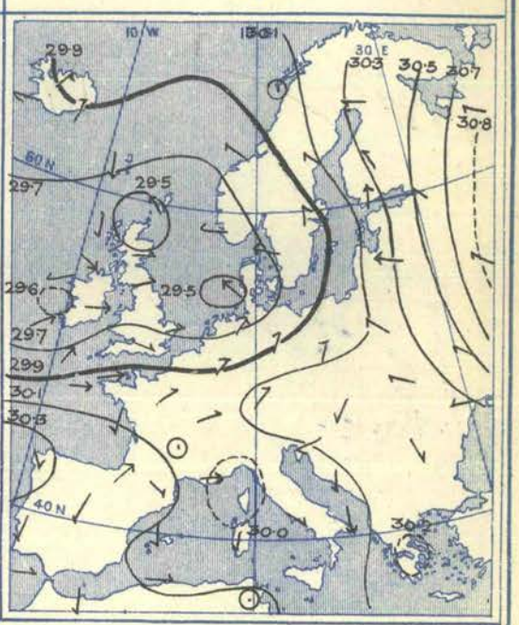
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Great Britain as a whole and the nearer parts of the Continent, but cloudy and showery along the western coasts of Ireland and Scotland, with hail at Malin Head; sleet locally at Nottingham; dull over the Continent generally, with rain at Toulouse, San Fernando and Nicolaieff, and snow at several stations in the Baltic region. Considerable rainfall during day in most parts of these Islands and various districts of Europe, largest amounts 0·8 in. at Jersey and Biarritz, 0·9 in. at Riga and 1·0 in. at Fanö.

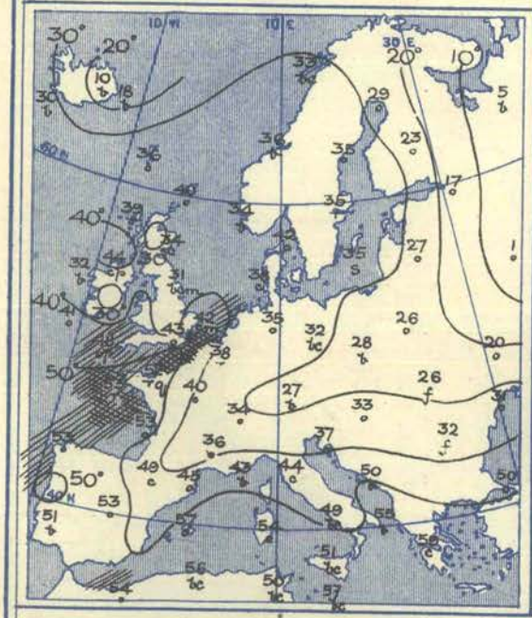
Temperature fallen over Great Britain, Scandinavia, most parts of Russia, and some parts of Italy, risen decidedly at St. Petersburg, Riga, the Helder, central Spain, and southern and central France. Morning readings ranging from 3° at Archangel, and below the freezing point over Russia and central Europe generally, to above 45° on our south-west coasts and to above 50° on the southern shores of the Mediterranean. Rising during day to between 50° and 55° on our south-west coasts and the western parts of the Continent, and exceeding 60° in the south of Italy; not exceeding the freezing point in several parts of central Europe.

Wind Southerly or South-Easterly over all the northern and eastern portions of the Continent, light variable over the central countries, Westerly to North-Westerly over the British Islands, the Bay of Biscay and western Spain. Light or moderate generally, but strong locally. Increasing to gale at the Helder during day, and becoming variable in Ireland.

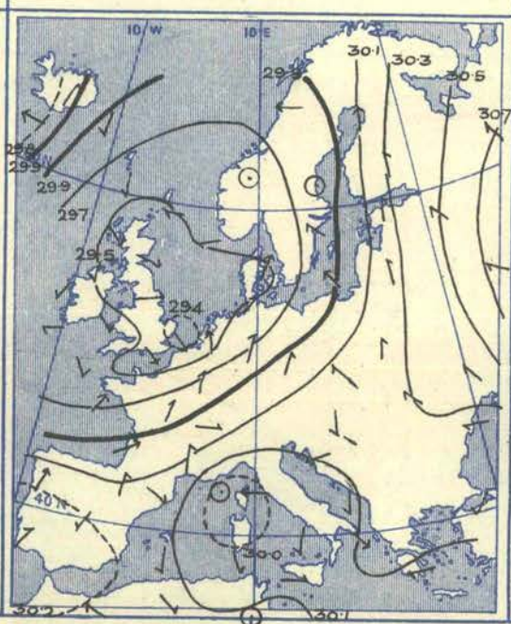
Barometer falling over northern and eastern Europe, rising in the western countries. Readings at 8 a.m. ranging from 30·9 ins. at Moscow, and 30·3 ins. off the Portuguese coasts to 29·5 ins. and less in a depression off the north of Scotland and to below 30·0 ins. in a shallow system over the Gulf of Genoa, and in another over central Italy and the Adriatic. Scottish depression not changing its position much during day, but secondary forming over the southern part of the North Sea, and new one appearing over the west of Ireland.

Monday, 25th November, 1907.

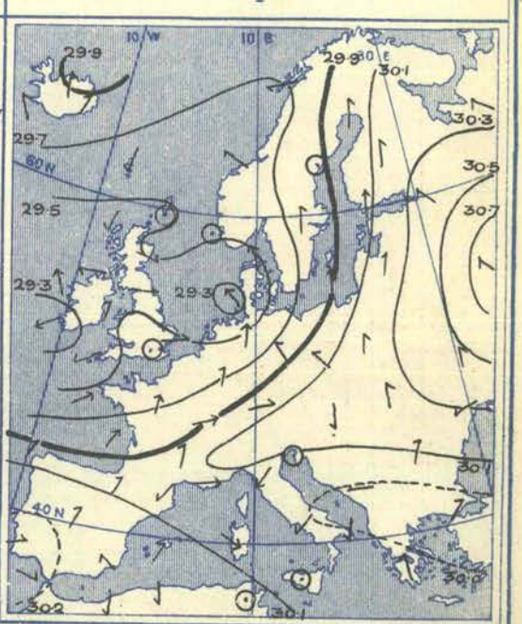
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most southern regions of Europe, in many central districts, and also in Norway and Iceland; cloudy or dull in most other places, with rain in many parts of our Islands and the nearer portion of the Continent, and rain or snow in the south of Sweden. Heavy rain later in many parts of these Islands and France, and smaller amounts over our area as a whole; largest measurements 2·4 ins. at Rochefort, 1·7 in. at Jersey, and 1·4 in. at Charleville.

Temperature changed irregularly; readings in morning below the freezing point in central Ireland, over the north and centre of Scotland, and most of the central and eastern regions of Europe, as well as in Iceland. Lowest values 1° at Moscow and 5° at Archangel. Maxima during day below 45° at nearly all our own stations and only slightly above 32° over most parts of Austria and Poland. Thermometer exceeding 60° at some stations in the far south. Sharp frost in various parts of this country at night. Minimum at Nairn only 22°.

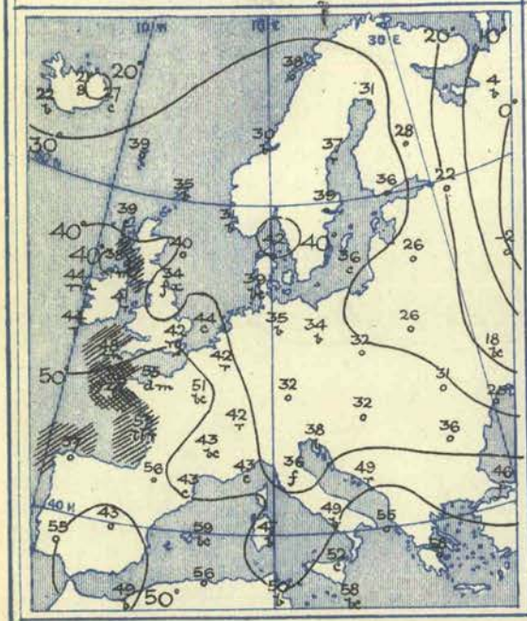
Wind in morning showing an extensive cyclonic circulation around these Islands and the North Sea, and a smaller cyclonic movement around Corsica and its vicinity. South-Westerly to Southerly current strong to a gale over France, the Channel, and the Low Countries. Fresh or strong in a few other parts of our area, but light or moderate generally. Wind decreasing in force later over the English Channel, but increasing over Denmark and North Germany.

Barometer in morning ranging from above 30·7 ins. over central Russia and above 30·2 ins. over the western half of the Spanish Peninsula, to below 30·0 ins. in a depression over Corsica, and to less than 29·4 ins. in the central part of a large disturbance off the north-east of England. Latter travelling eastwards during day, but another system approaching the south-west coast of Ireland, and gradients increasing over the Bay of Biscay. Both high pressure systems maintaining their position.

Tuesday, 26th November, 1907.

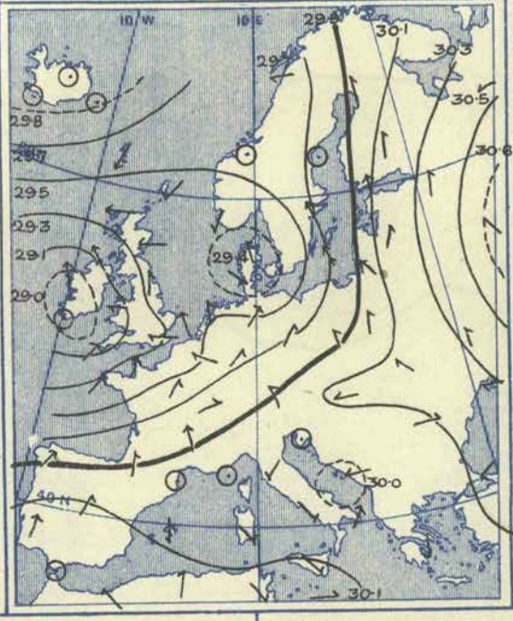
Temperature and Weather.

8 a.m.

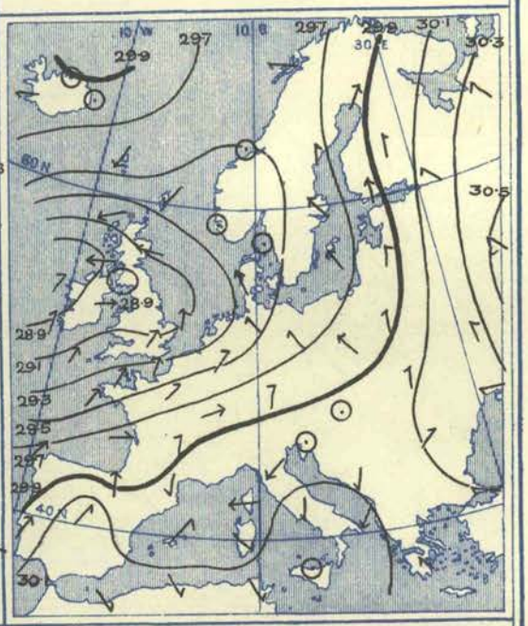


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine and bright in many places in the south of our area and in a few localities elsewhere. Overcast in almost all other regions, with rain over most parts of England and Ireland and the adjacent parts of the Continent, and snow at Liverpool and Nottingham. Rain falling very generally later, more than 0·5 in. over a very large area in these Islands, more than an inch in some parts of France and Lisbon, 2·2 ins. at Florence, and 2·3 ins. at Utrecht. Thunderstorms occurring at some of our western stations.

Temperature risen in most regions. Readings in morning as low as −2° at Moscow, and below 32° over the east of Europe generally, as well as in the north-east of Scotland and over Iceland. Above 50° on our south-west coast and in most parts of France and southern Europe. Maxima during day above 55° in many parts of England and above 60° over a large portion of the Mediterranean region. Maxima below 40° over most of central Europe, and no higher than 48° at Leghorn and Pesaro.

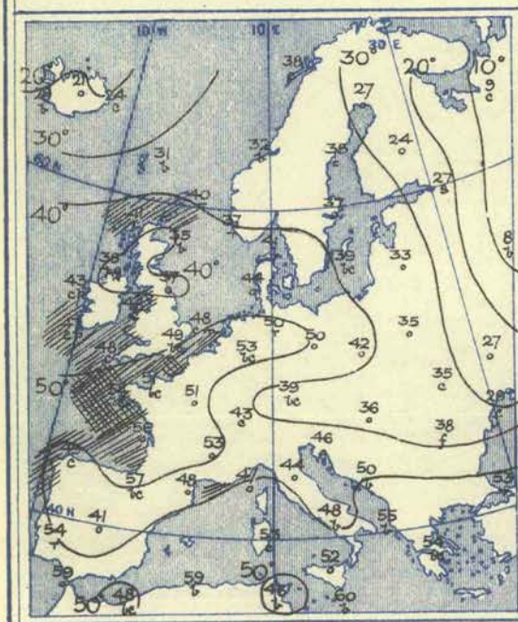
Wind in morning showing two main cyclonic circulations over the western half of our area. Southerly and South-Easterly currents strong to high over France, England, and Ireland, and fresh to a gale over the Baltic region. Light Southerly winds prevailing over the east of our area. Wind increasing considerably from the Eastward over Scotland and the north of England and Ireland later, but not much change occurring elsewhere.

Barometer in morning above 30·6 ins. in central Russia, below 29·4 ins. in a depression over Denmark and the adjacent part of the North Sea, and below 29·0 ins. in another system over Ireland. Pressure continuing to fall over our Islands during day except in the extreme south-west, and another baric minimum advancing on Ireland. Some slight modifications in the distribution occurring locally, but very little in its general character. A rather decided fall of the mercury taking place in Portugal.

Wednesday, 27th November, 1907.

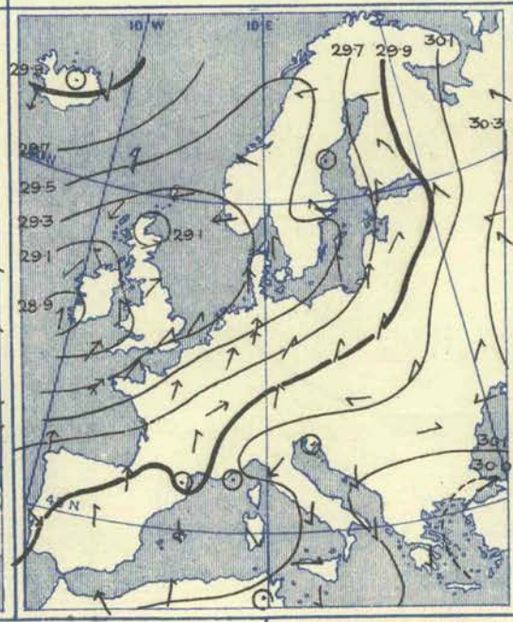
Temperature and Weather.

8 a.m.

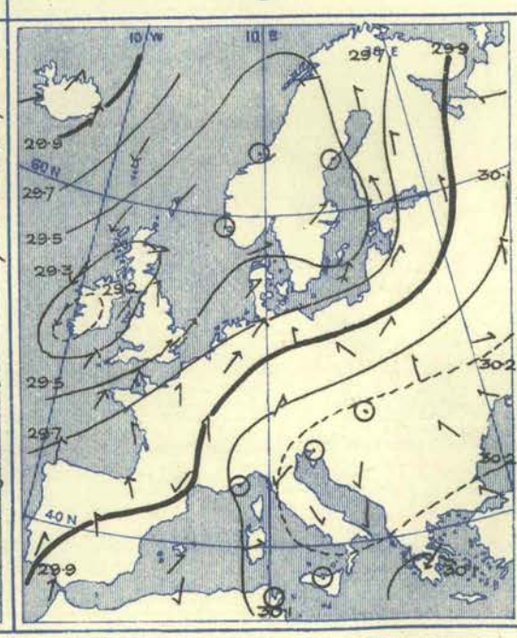


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine and bright in nearly all the southern parts of our area, but rainy at Lisbon and Constantinople. Fine in a few scattered localities elsewhere, but overcast generally, with rain in the west and north of these Islands, as well as in North Germany and the south of Scandinavia. Rain falling later in nearly all parts of the United Kingdom and in various Continental districts, with thunder and lightning over the southern parts of Ireland and England.

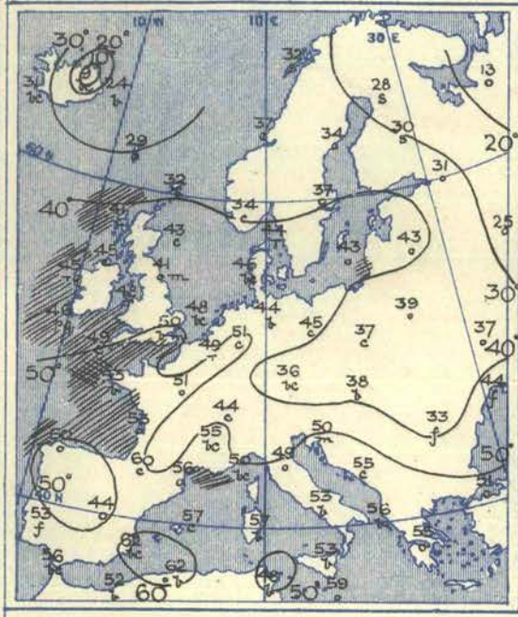
Temperature risen in most regions. Readings in morning below 10° over a considerable portion of Russia, but between 35° and 45° over most of central Europe and these Islands, and above 50° very generally in the far south of our area. Thermometer rising to 50° or a few degrees higher in the south and south-west of this country later, and also in many parts of Germany. Maxima above 60° in the Mediterranean region generally, and as high as 70° at Algiers. Frost apparently continuing all day over the greater portion of Russia.

Wind in morning fresh or strong to a gale from the South-Westward over our southern coasts and the adjacent part of the Continent, and fresh or strong from the Eastward over the south of Norway and the north of Scotland. Light variable airs prevailing in the Mediterranean and light Southerly breezes over Russia and the adjoining countries. Some decrease in force taking place over the United Kingdom during day, but wind becoming stronger over the Baltic and increasing to a strong Southerly gale at Wisby; little change elsewhere.

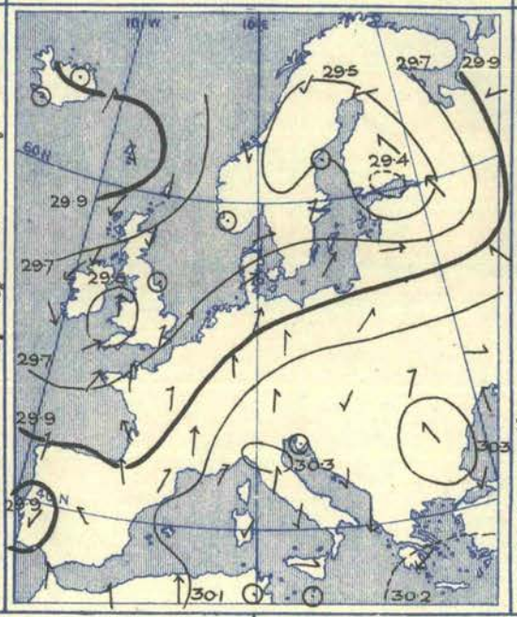
Barometer in morning above 30·4 ins. over the eastern half of Russia; below 29·1 ins. in a small minimum over the north of Scotland, and less than 28·9 ins. in another disturbance having its minimum off the south-west of Ireland. Relatively low over the Black Sea. Both depressions becoming less deep during day, and that over Scotland nearly disappearing by evening. A fresh system appearing over southern Sweden, and Russian anticyclone either giving way or withdrawing eastwards. Pressure increasing over Italy and the south-east of our area.

Thursday, 28th November, 1907.

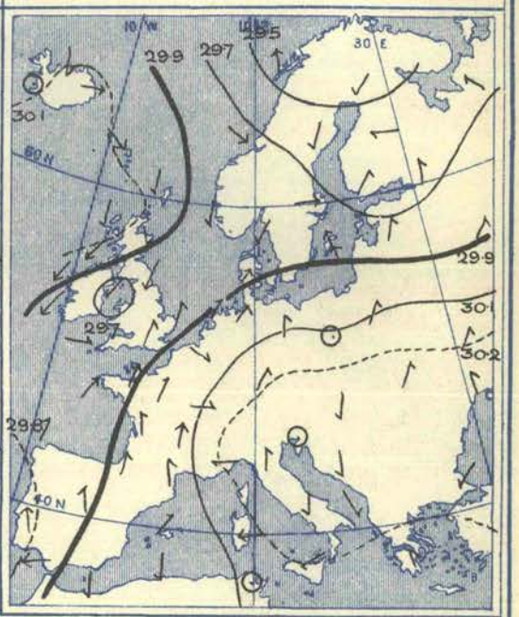
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most southern regions; cloudy or overcast in most other districts, with rain in various parts of these Islands, and at Brussels and Skagen, and snow in the north of Scandinavia and at Kuopio. As much 0·9 in. of rain falling later at Holyhead and 0·6 in. at Lisbon; smaller quantities experienced in most parts of our Islands and in various Continental localities.

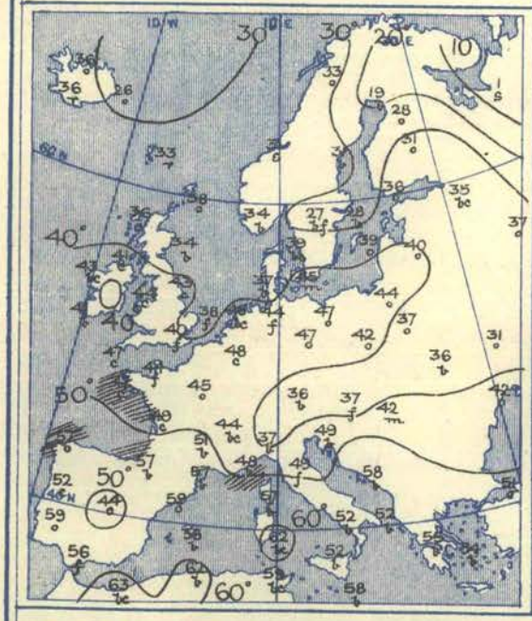
Temperature risen over our area as a whole. Readings in morning ranging from above 55° at some stations in the south to less than 50° over the United Kingdom, and to below the freezing point over the east and north-east of Europe; lowest value 13° at Archangel. Thermometer rising to 77° at Nemours during day and to about 70° at some other stations in the far south; maxima above 50° on our own southern and south-western coasts as well as in a few German localities, but below 40° at Vienna and Prague.

Wind in morning showing some separate cyclonic circulations in the west and north; strong or high on some parts of our own coasts, and fresh in a few other regions, but light or moderate generally. No great change as a whole during day, but a South-Easterly gale setting in at Wisby.

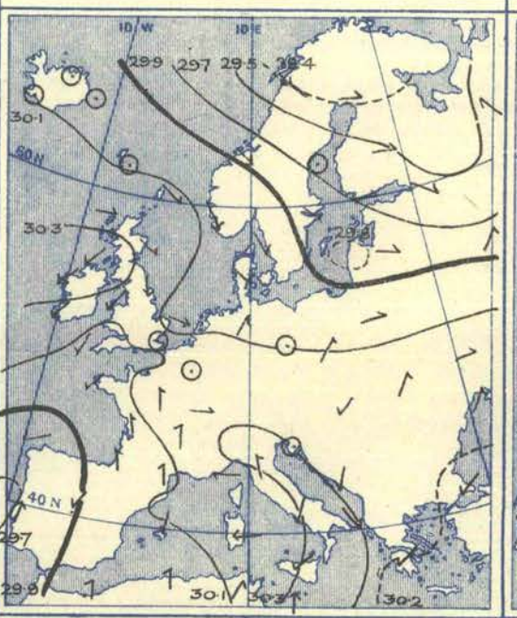
Barometer in morning above 30·4 ins. in an anticyclone having its centre near Hermanstadt, and about 30·3 ins. over the north of Italy. Below 29·5 ins. in a depression over our western districts, and less than 29·4 ins. in another disturbance over the south of Finland. Relatively low over Portugal and its vicinity. Depression over our Islands becoming less deep during day and pressure increasing steadily over the whole of the United Kingdom and its neighbourhood, as well as in Iceland.

Friday, 29th November, 1907.

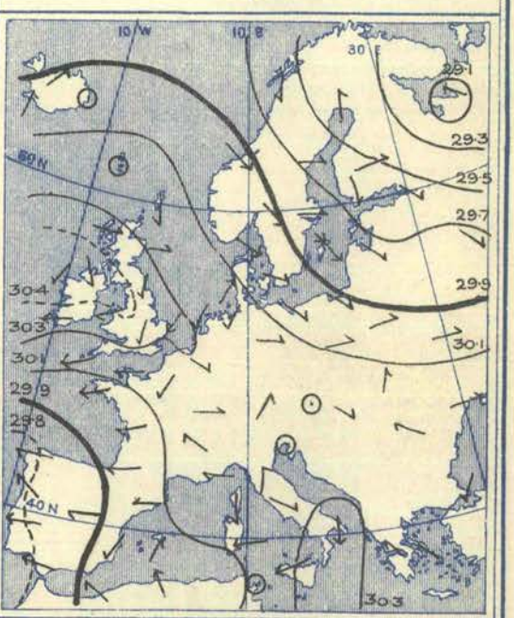
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of northern, western and southern Europe, but with rain and fog at several of the English stations. Rain falling also at Le Mans, and snow at Christiansund; dull over the eastern and central countries, with fog in places. Rain during day at a few isolated stations in our Islands and also on the Continent, heaviest fall 1·7 in. at San Fernando; thunderstorm occurring at Trieste.

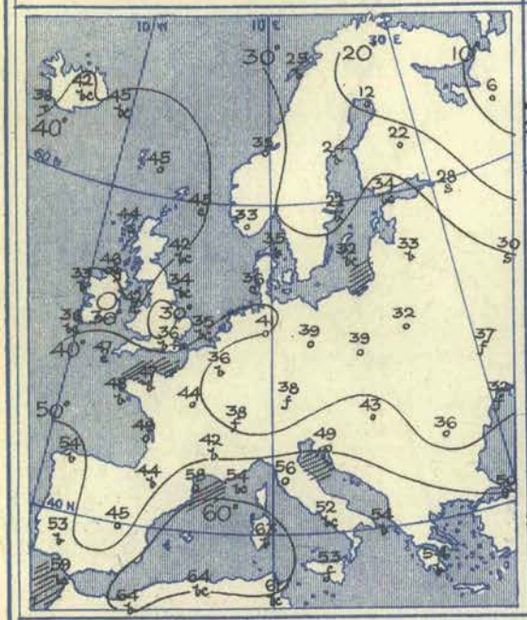
Temperature fallen in most countries. Morning readings ranging from 1° above zero at Archangel, 19° at Haparanda, and about the freezing point over the central parts of Scotland and Ireland to above 50° in most parts of southern Europe, and to above 60° at one or two Mediterranean stations. Rising to 50° or above on our south coast during day, but maxima only about 40° in central Scotland and central Ireland. Exceeding 60° over southern Europe generally, and exceeding 65° at a few stations.

Wind at 8 a.m. light to strong, North-Westerly over Scandinavia and Scotland, but drawing into North over England and North-East over Ireland; Westerly or South-Westerly over eastern and central Europe as a whole; Easterly to Southerly over the Mediterranean region. North-Westerly wind at Wisby increasing to a gale during day, very little change elsewhere.

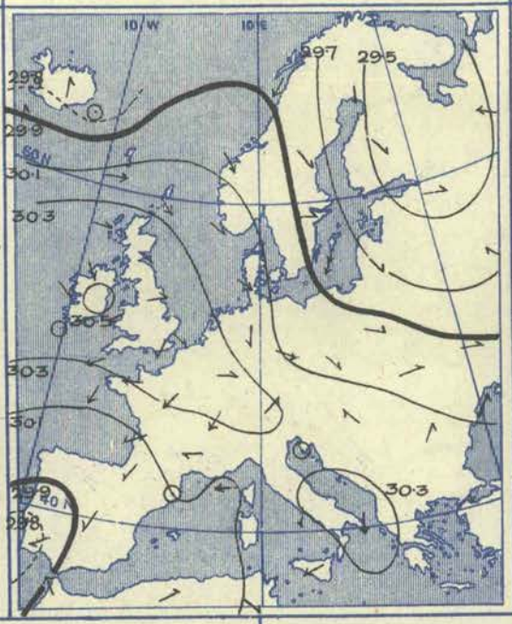
Barometer at 8 a.m. highest 30·3 ins. and upwards in an anticyclone over our western coasts, and also in another system over Italy. Lowest 29·4 ins. and less in a depression in the far north of Europe; 29·7 ins. and less off the Portuguese coast, and 29·8 ins. and less in a secondary system over the Baltic. Northern depression moving away eastwards during day, no other change of importance.

Saturday, 30th November, 1907.

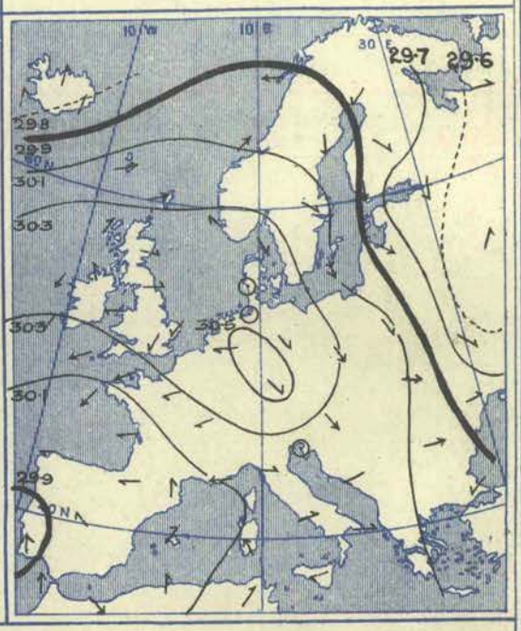
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and very bright over nearly all parts of southern Europe and Algeria, as well as in many localities over the United Kingdom. Thick fog prevailing at Liverpool and Nottingham and much cloud over the central and eastern countries, with rain or snow in places. Further falls of rain or snow occurring later over central and eastern Europe and some rain in Portugal.

Temperature risen in Scotland, fallen in nearly all parts of England and Ireland. Readings in morning below 30° at many places inland over Ireland and England, and also over the north and north-east of our area; above 50° in Portugal and on most shores of the Mediterranean and Adriatic, and as high as 60° at a few places. Thermometer not exceeding 40° all day at Nottingham and Leith, and remaining below that value in several parts of Germany. Maxima above 50° in most parts of France, above 60° in many parts of southern Europe, and above 70° in Algeria.

Wind in morning moderate to strong from the Westward beyond the north of Scotland, generally fresh or strong from North-West, with a gale at Wisby, over Scandinavia and the Baltic, fresh or strong from some Easterly point over France, the south of this country, and the Bay of Biscay. Light or moderate winds from varying directions over the Mediterranean. Scarcely any change later in day.

Barometer in morning above 30·5 ins. over the north-east of Ireland, and above 30·4 ins. over almost the whole of these Islands; below 29·8 ins. over the south-west of the Spanish Peninsula and to the northward of Iceland, and less than 29·5 ins. in a very extensive minimum over Finland and northern Russia. High pressure system extending eastwards during day and a brisk fall of the barometer setting in over western Iceland. Russian depression apparently moving south-eastwards.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⤇ = a heavy gale; ↠ = a gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres	Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.											
November 24th, 9.52 a.m. to 11.40 a.m.	Brighton, 380 ft.	Temperature F.		39°	36°	31°	[24°]				One kite, 77 sq. ft.; 6,000 ft. wire. Max. height, 4,400 ft. Scud, 1,000 ft.
		Humidity		85%	90%	60%	[60%]				
		Wind Velocity, m. per hr.		WNW, *18	W by S, 30	W, 38	[W, 40]				
November 25th, 10.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.									Height uncertain, since the pen remained stuck. Rapid decrease of temperature. Wind NW, failing and backing at about 1,500 ft.
		Humidity									
		Wind Velocity, m. per hr.									
November 27th, 10.0 a.m. to 10.46 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		47°	41°	[33°]					One kite, 50 sq. ft.; 2,600 ft. wire. Max. height, 2,600 ft. Very strong but steady wind. Clear. Thunder at 8 a.m.
		Humidity		90%	90%	[90%]					
		Wind Velocity, m. per hr.		S, 15	SSW, 40	[SW by S, 50]					
November 30th, 11.33 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.		44°	39°						One kite, 54 sq. ft.; 3,000 ft. wire. Clear sky.
		Humidity		75%	75%						
		Wind Velocity, m. per hr.		NE, 22	ENE, 40						

* Estimated.

Details of additional observations in the Upper Air are given on p. 380.

63, Victoria Street, London, S.W. *December 4th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 49. FORTY-NINTH WEEK, ENDING SATURDAY, DECEMBER 7TH, 1907. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was very unsettled throughout the whole Kingdom. Rain was frequent, and at times heavy, while the many transitions from rain to clear or partially clear sky were often very rapid. Some of the precipitation in the more northern stations was partly composed of snow, and most districts experienced more or less hail. Thunder and lightning occurred on Tuesday at Laudale, on Wednesday at Dublin, and on each of those days at Blackpool, lightning being experienced at about the same time in many other localities.

Temperature was above the average in most of the English districts and in Scotland N., below it elsewhere; the greatest excess was +1°·9 in England S., and the greatest deficit −1°·8 in Ireland S. The highest of the maxima were recorded on Saturday, when the thermometer rose to 56° in England S. and S.W., the Midland Counties and Ireland S., and 57° in the English Channel. The lowest of the minima occurred, as a rule, early in the week, and ranged from 23° in England S.W., and 24° in Scotland N. and Ireland S., to 28° in England E. and to 40° in the English Channel. The lowest readings on the grass (recorded on the morning of the 1st) were 13° at Balmoral, 16° at Llangammarch Wells, and 18° at Crathes.

Mean Temperature of the Sea.—Most of the stations show a further decrease, that at Aberdeen being 2°·3. The actual values ranged from 50°·9 at Plymouth and Salcombe to 43°·0 at Kirkwall, and to 40°·9 at Cromarty.

Rainfall exceeded the average, the divergence being large generally, and very large in places. Falls of more than an inch were recorded at several stations on the 4th, and at Stonyhurst and Arlington on the 7th.

Bright Sunshine was in excess of the normal except in Ireland S. In England S. and E. the percentage of the possible duration was 30, and in the Midland Counties and Ireland N. 29, but in Scotland W. and N. the respective values were only 18 and 16.

Barometer and Wind.—At the commencement of the week an anticyclone extended over these Islands from the eastward, but subsequently the type of pressure distribution was sometimes southerly, and at other times westerly. As a rule the cyclonic centres remained at some distance from our coasts, and only ill-defined secondaries crossed this country, but on Thursday a deep minimum lay not far distant from the north of Scotland. The Easterly and South-Easterly winds that prevailed on Sunday soon gave place to a current varying between S. and S.W. or W. Strong to high winds, with occasional gales, were of frequent occurrence on various parts of our western and north-western coasts, while later in the week the wind became strong or high, or attained gale force on the south coast also.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 388.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Deficient	Moderate	Moderate	Unusual	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate
	Rainfall ...	Moderate	Very heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Very abundant	Very abundant	Very abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Very abundant	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907. 1 week from Dec. 1st.	Warmth ...	**0** * **0**	**0** * **0**	**0** * **1**	**0** * **0**	**0** * **0**	**1** * **0**	**0** * **1**	**0** * **1**	**0** * **0**	**0** * **1**	**0** * **1**	**0** * **0**
	Rainfall ...	**0** * **0**	**1** * **0**	**0** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**1** * **0**
	Sunshine ...	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**0** * **0**

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	**5** * **7**	**5** * **6**	**3** * **6**	**2** * **5**	**2** * **4**	**2** * **5**	**5** * **6**	**2** * **5**	**0** * **7**	**4** * **4**	**2** * **6**	**1** * **7**
	Rainfall ...	**4** * **2**	**4** * **7**	**2** * **6**	**3** * **5**	**2** * **7**	**2** * **8**	**3** * **5**	**5** * **7**	**2** * **5**	**3** * **5**	**1** * **8**	**3** * **7**
	Sunshine ...	**1** * **5**	**9** * **0**	**10** * **1**	**4** * **2**	**6** * **1**	**5** * **1**	**5** * **4**	**6** * **1**	**4** * **3**	**3** * **4**	**3** * **4**	**2** * **4**
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3** * **5**	**3** * **5**	**5** * **5**	**5** * **3**	**4** * **3**	**4** * **4**	**4** * **4**	**4** * **4**	**4** * **3**	**3** * **3**	**5** * **3**	**4** * **5**
	Rainfall ...	**6** * **2**	**5** * **4**	**4** * **2**	**5** * **4**	**5** * **1**	**5** * **2**	**6** * **3**	**5** * **1**	**6** * **3**	**8** * **2**	**4** * **6**	**5** * **2**
	Sunshine ...	**2** * **2**	**5** * **6**	**6** * **3**	**6** * **4**	**3** * **4**	**4** * **4**	**2** * **5**	**4** * **4**	**3** * **5**	**3** * **4**	**4** * **4**	**2** * **5**
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**2** * **9**	**1** *10	**2** * **8**	**2** * **7**	**1** * **7**	**0** * **8**	**1** * **8**	**1** * **8**	**1** * **8**	**2** * **7**	**2** * **5**	**2** * **7**
	Rainfall ...	**7** * **2**	**3** * **2**	**3** * **5**	**1** * **5**	**5** * **4**	**4** * **5**	**5** * **2**	**6** * **3**	**6** * **4**	**6** * **4**	**4** * **4**	**3** * **6**
	Sunshine ...	**2** * **7**	**1** * **7**	**2** * **3**	**0** * **5**	**2** * **6**	**3** * **5**	**2** * **6**	**2** * **6**	**1** * **6**	**3** * **3**	**2** * **5**	**2** * **7**
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**7** * **2**	**5** * **2**	**9** * **3**	**8** * **0**	**6** * **1**	**7** * **0**	**6** * **3**	**6** * **3**	**4** * **0**	**6** * **3**	**4** * **4**	**9** * **1**
	Rainfall ...	**3** * **8**	**3** * **6**	**3** * **5**	**4** * **7**	**5** * **5**	**3** * **5**	**2** * **6**	**3** * **4**	**5** * **4**	**1** * **5**	**5** * **3**	**4** * **4**
	Sunshine ...	**6** * **1**	**6** * **3**	**5** * **3**	**4** * **5**	**5** * **4**	**5** * **6**	**3** * **3**	**4** * **1**	**5** * **4**	**4** * **5**	**4** * **6**	**2** * **3**

6655/370 Wy. & S. Ltd. 12—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (49th)—December 1st to December 7th, 1907.

DISTRICTS. (See p. 387.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	24	44·0	34·9	39·7	+ 0·6	6	- 4	28	0	6	+ 1	1·66	+0·22	7	+ 2	16	+ 5
Eastern																		
1. SCOTLAND, EAST	49	26	42·3	32·6	37·6	- 0·8	1	- 8	34	0	4	- 1	1·05	+0·41	12	+ 4	25	+ 8
2. ENGLAND, N.E.	52	25	45·8	33·5	40·0	- 0·1	11	0	35	+ 9	5	+ 1	0·76	+0·21	14	+ 5	28	+10
3. ENGLAND, EAST	54	28	47·6	34·4	41·3	+ 1·5	16	+ 3	33	+ 3	5	0	0·82	+0·25	16	+ 6	30	+11
4. MIDLAND COUNTIES	56	26	47·1	33·5	40·6	+ 1·0	14	+ 1	35	+ 4	5	+ 1	1·27	+0·67	16	+ 7	29	+12
5. ENGLAND, SOUTH	56	27	49·2	37·4	43·6	+ 1·9	31	+ 12	13	- 8	5	0	1·14	+0·43	17	+ 6	30	+12
Western																		
6. SCOTLAND, WEST	51	25	45·0	34·6	40·0	- 1·6	8	- 6	29	+ 8	7	+ 2	2·12	+0·76	9	+ 2	18	+ 4
7. ENGLAND, N.W.	55	26	46·5	35·6	41·3	- 0·2	13	- 2	27	+ 8	6	+ 1	1·57	+0·67	13	+ 5	24	+ 9
8. ENGLAND, S.W..	56	23	49·0	37·2	43·3	+ 0·2	29	+ 5	13	- 2	7	+ 2	2·34	+1·18	14	+ 3	26	+ 6
9. IRELAND, NORTH	53	27	45·8	34·9	40·5	- 1·0	11	- 4	29	+ 9	6	0	1·28	+0·37	15	+ 5	29	+10
10. IRELAND, SOUTH	56	24	48·0	34·5	41·5	- 1·8	17	- 8	32	+ 17	6	+ 1	1·53	+0·52	12	0	22	0
11. ENGLISH CHANNEL	57	40	52·4	43·6	48·1	+ 1·3	43	+ 6	0	- 3	6	+ 1	1·30	+0·24	16	+ 2	27	+ 4

THE SEASON (**Winter**). Aggregates, &c., for the Period of 1 Week, December 1st to December 7th, 1907.

0. SCOTLAND, NORTH	50	24	*	*	*	*	6	- 4	28	0	6	+ 1	1·66	+0·22	7	+ 2	16	+ 5
Eastern																		
1. SCOTLAND, EAST	49	26	*	*	*	*	1	- 8	34	0	4	- 1	1·05	+0·41	12	+ 4	25	+ 8
2. ENGLAND, N.E...	52	25	*	*	*	*	11	0	35	+ 9	5	+ 1	0·76	+0·21	14	+ 5	28	+10
3. ENGLAND, EAST	54	28	*	*	*	*	16	+ 3	33	+ 3	5	0	0·82	+0·25	16	+ 6	30	+11
4. MIDLAND COUNTIES.. ..	56	26	*	*	*	*	14	+ 1	35	+ 4	5	+ 1	1·27	+0·67	16	+ 7	29	+12
5. ENGLAND, SOUTH	56	27	*	*	*	*	31	+ 12	13	- 8	5	0	1·14	+0·43	17	+ 6	30	+12
Western																		
6. SCOTLAND, WEST	51	25	*	*	*	*	8	- 6	29	+ 8	7	+ 2	2·12	+0·76	9	+ 2	18	+ 4
7. ENGLAND, N.W...	55	26	*	*	*	*	13	- 2	27	+ 8	6	+ 1	1·57	+0·67	13	+ 5	24	+ 9
8. ENGLAND, SW	56	23	*	*	*	*	29	+ 5	13	- 2	7	+ 2	2·34	+1·18	14	+ 3	26	+ 6
9. IRELAND, NORTH	53	27	*	*	*	*	11	- 4	29	+ 9	6	0	1·28	+0·37	15	+ 5	29	+10
10. IRELAND, SOUTH	56	24	*	*	*	*	17	- 8	32	+ 17	6	+ 1	1·53	+0·52	12	0	22	0
11. ENGLISH CHANNEL	57	40	*	*	*	*	43	+ 6	0	- 3	6	+ 1	1·30	+0·24	16	+ 2	27	+ 4

THE YEAR.—Aggregates, &c., for the period of 49 Weeks, December 30th, 1906, to December 7th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1857	*	656	*	251	+20	47·17	*	1106	*	26	*
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2022	*	746	*	197	+ 6	29·31	*	1292	*	30	*
2. ENGLAND, N.E.	82	15	*	*	*	*	2602	*- 15	607	+ 21	182	+ 8	22·63	- 0·67	1468	*	35	*
3. ENGLAND, EAST	81	10	*	*	*	*	2991	- 30	590	- 61	170	+ 2	19·72	- 3·31	1541	- 7	36	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2750	-183	651	- 31	180	+14	26·65	+1·96	1383	+ 5	33	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3138	-148	474	+ 5	166	+ 5	24·29	-1·02	1600	+ 33	38	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2394	*	515	*	213	+13	47·50	*	1241	-100	29	- 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2611	-179	506	+ 39	208	+23	34·10	+1·44	1352	- 13	32	0
8. ENGLAND, S.W.	82	5	*	*	*	*	2884	-253	435	+ 68	207	+23	37·70	+1·93	1501	*	35	*
9 IRELAND, NORTH	81	16	*	*	*	*	2473	-191	384	- 52	234	+16	37·64	+1·84	1204	- 52	28	- 1
10. IRELAND, SOUTH	85	11	*	*	*	*	2976	-110	347	+ 13	229	+35	35·03	-2·08	1307	-109	31	- 3
11 ENGLISH CHANNEL	81	21	*	*	*	*	3616	- 84	96	- 20	182	-15	27·98	-2·24	1732	-126	41	- 3

† At districts Nos. 0, 1, and 6, 20 years.

December 1-7, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	47	36	45·1	40·6	42·9	+ 2·4	12	4	6	0·94	− 0·05	11·6	+ 6·0	26	+ 14
	Stornoway	49	34	44·9	38·1	41·6	+ 0·9	8	16	7	1·38	+ 0·09	5·9	− 1·2	13	− 3
0. SCOTLAND, N. — Mainland.	Wick	48	35	45·1	36·6	41·0	+ 1·5	9	22	3	0·17	− 0·49	*	*	*	*
	†Lairg (Strathpeffer)	49	24	42·2	29·4	36·1	− 0·8	1	46	7	0·99	+ 0·19	8·4	+ 1·7	18	+ 4
	Glencarron	49	29	42·8	31·9	37·6	− 1·1	2	38	7	3·15	+ 0·92	*	*	*	*
	Fort Augustus	49	27	43·8	33·5	38·9	− 0·7	5	33	6	1·71	+ 0·54	3·3	+ 1·3	7	+ 3
	Fort William	50	29	44·2	34·3	39·5	− 1·4	6	30	7	3·25	+ 1·11	*	*	*	*
	(West Linton)												9·1	—	19	—
1. SCOTLAND, E.	Nairn	47	26	42·1	31·4	37·0	− 1·9	0	39	3	0·14	− 0·33	17·0	—	36	—
	Aberdeen	49	33	44·0	35·9	40·1	+ 0·4	6	24	5	0·90	+ 0·17	9·6	− 0·3	20	− 1
	†Balmoral (Crathes)	—	20	—	30·1	—	—	—	—	2	0·25	− 0·59	10·9	—	23	—
	†Crieff (Balruddery)	45	26	40·7	30·9	36·0	− 2·8	0	42	6	1·56	+ 0·55	10·7	—	22	—
	†Leith (Edinburgh)	49	26	43·4	33·7	38·7	− 1·9	4	31	4	0·61	+ 0·13	10·8	+ 5·2	22	+ 11
	Marchmont	42	28	41·1	30·9	36·2	− 2·2	0	41	5	0·82	+ 0·10	12·5	+ 4·0	26	+ 8
	(Saltburn)												13·5	—	27	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	50	29	44·8	32·5	38·9	− 1·3	8	37	5	0·95	+ 0·18	16·1	—	32	—
	†Shields (Newcastle)	49	30	45·1	32·7	39·2	− 1·6	9	37	5	0·90	+ 0·37	4·0	− 1·6	8	− 3
	Durham	49	30	44·0	32·6	38·5	− 0·6	6	36	4	0·88	+ 0·34	15·9	+ 5·9	31	+ 12
	Scarborough	50	33	46·8	34·4	40·9	− 0·3	13	32	4	0·56	− 0·04	9·1	—	18	—
	York	48	30	46·4	33·9	40·4	+ 0·3	12	33	5	0·88	+ 0·42	10·0	+ 3·7	19	+ 7
2. ENGLAND, N.E. — Southern part.	Spurn Head	49	36	45·9	36·3	41·3	− 0·5	11	24	4	0·61	+ 0·18	*	*	*	*
	†Lincoln (Skegness)	50	27	48·0	32·7	40·7	+ 1·4	17	39	4	0·60	+ 0·16	19·5	—	37	—
	†Fulbeck (Rauceby)	52	25	45·7	33·2	39·7	+ 0·7	10	35	5	0·72	+ 0·29	15·6	—	29	—
3. ENGLAND, E. — Northern part.	Hillington	49	29	46·1	31·1	38·9	− 0·4	11	43	4	1·00	+ 0·40	17·7	+ 7·7	33	+ 14
	†Yarmouth (Lowestoft)	52	34	47·1	34·6	41·1	+ 0·4	14	31	6	0·83	+ 0·28	15·3	—	28	—
	Geldeston	50	32	48·0	34·4	41·5	+ 1·0	17	33	6	0·83	+ 0·31	15·7	+ 4·0	29	+ 7
	(Cromer)												18·8	—	36	—
3. ENGLAND, E. — Southern part.	Cambridge	51	28	48·1	31·5	40·1	+ 0·3	17	43	4	1·12	+ 0·69	19·2	+ 9·2	36	+ 17
	Felixstowe	52	33	47·4	35·6	41·7	+ 0·6	15	28	4	0·60	—	19·6	—	36	—
	Clacton-on-Sea	51	34	47·1	36·3	41·9	+ 1·3	14	25	5	0·46	—	19·3	—	35	—
	Rothamsted	54	28	47·9	32·3	40·4	+ 0·6	17	40	5	1·32	+ 0·73	16·5	+ 6·1	30	+ 11
	†Shoeburyness (Southend)	54	36	48·0	37·7	43·1	+ 1·7	26	12	4	0·56	+ 0·12	15·0	—	27	—
	London, Westminster	54	33	48·6	36·4	42·7	+ 1·7	28	16	4	0·65	+ 0·15	8·1	+ 4·6	15	+ 8
	(Dunmow)													—		—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	50	31	44·8	33·6	39·4	+ 0·4	8	33	6	1·44	+ 0·84	14·8	—	29	—
	†Bawtry (Worksop)	54	28	50·6	31·7	41·5	+ 1·6	24	45	6	0·60	+ 0·15	11·3	+ 3·4	21	+ 6
	Nottingham	52	27	47·0	32·1	39·9	0·0	14	41	5	0·80	+ 0·36	13·7	—	26	—
	Raunds	*52*	*29*	*46·3*	*31·8*	*39·3*	*− 0·2*	*12*	*40*	*5*	*1·40*	—	*	*	*	*
	Birmingham, Edgbaston	49	32	45·9	34·8	40·6	+ 0·3	11	30	5	1·02	+ 0·52	17·3	—	32	—
	Oxford	54	27	48·0	35·0	41·8	+ 1·3	17	31	4	1·91	+ 1·43	18·0	+ 7·9	33	+ 14
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	47	31	43·3	33·3	38·5	− 0·4	4	33	5	0·89	+ 0·23	14·2	—	27	—
	Shrewsbury	50	31	47·7	34·2	41·2	− 0·7	16	33	5	0·66	—	*	*	*	*
	Hereford	55	26	48·0	33·3	40·9	+ 0·7	17	36	5	1·03	+ 0·45	*	*	*	*
	Cirencester	54	28	46·3	31·8	39·3	− 0·1	12	40	6	2·10	+ 1·44	16·0	+ 6·0	29	+ 11
	Bath	56	30	49·3	35·0	42·4	0·0	32	20	6	2·23	+ 1·55	18·4	—	34	—
	(Margate)												14·2	+ 2·9	26	+ 5
5. ENGLAND, S.	Kew	52	31	48·8	35·7	42·5	+ 1·6	30	18	4	0·79	+ 0·36	16·3	+ 7·4	30	+ 13
	Wisley, Surrey	56	30	49·3	35·9	42·9	+ 1·5	32	17	4	0·70	—	17·1	—	31	—
	†Swarraton (Ventnor)	54	27	47·1	33·8	40·7	+ 0·8	14	34	5	1·37	+ 0·69	17·3	+ 5·3	31	+ 10
	Tunbridge Wells	53	32	47·2	35·7	41·7	+ 1·5	15	27	4	1·66	+ 0·96	20·4	+ 9·1	37	+ 17
	†Dungeness (Littlestone)	53	33	49·6	39·0	44·5	+ 1·9	30	8	6	1·18	+ 0·63	15·5	—	28	—
	Hastings	53	36	49·8	39·1	44·7	+ 2·2	31	8	6	1·14	+ 0·43	21·5	+ 8·0	38	+ 14
	Southampton	53	31	50·2	36·9	43·8	+ 1·4	34	14	5	1·37	+ 0·67	19·1	+ 7·7	35	+ 14
	†Portland Bill (Worthing)	55	39	51·9	43·4	47·8	+ 3·1	41	0	6	0·94	—	19·8	—	35	—
	(Eastbourne)												12·4	+ 0·1	22	0
6. SCOTLAND, W.	Laudale	49	32	44·9	35·3	40·3	− 1·4	8	27	7	3·90	+ 1·85	*	*	*	*
	Poltalloch	*47*	*29*	*43·4*	*33·0*	*38·4*	*− 2·5*	*4*	*34*	*5*	*1·31*	*+ 0·06*	*	*	*	*
	Glasgow	48	26	43·0	34·1	38·7	− 1·3	3	29	7	1·54	+ 0·64	2·0	− 1·3	4	− 3
	Rothesay	*50*	*31*	*45·1*	*35·7*	*40·6*	*− 0·8*	*9*	*26*	*7*	*2·44*	*+ 1·31*	*	*	*	*
	Colmonell	*50*	*28*	*45·4*	*35·7*	*40·7*	*− 0·9*	*10*	*25*	*7*	*1·89*	*+ 0·79*	*	*	*	*
	Dumfries	48	25	44·8	32·1	38·7	− 1·0	8	38	7	1·74	+ 0·79	*	*	*	*
	Cally	47	27	45·1	33·1	39·3	− 0·7	9	35	7	1·20	− 0·03	*	*	*	*
	Douglas, Isle of Man	51	36	47·0	38·6	43·0	+ 5·1	21	10	6	2·24	+ 1·14	16·8	+ 6·2	32	+ 12
7. ENGLAND, N.W.	Aspatria	51	33	45·1	35·6	40·5	+ 0·8	9	26	6	1·40	+ 0·47	9·4	—	18	—
	Newton Rigg	48	28	44·5	31·9	38·5	+ 0·2	7	39	6	2·05	+ 1·20	11·5	+ 2·9	23	+ 6
	Stonyhurst	49	33	45·0	34·4	39·9	0·0	8	30	7	2·62	+ 1·64	8·1	+ 1·1	15	+ 2
	Blackpool	49	32	46·0	35·8	41·1	+ 0·2	11	26	7	1·52	+ 0·79	14·6	+ 7·3	28	+ 14
	Manchester, Prestwich	50	28	45·6	33·3	39·7	− 0·4	10	35	6	1·73	+ 0·98	4·3	− 0·3	8	− 1
	†Liverpool Obs. (Hoylake)	52	28	46·3	36·3	41·5	− 0·1	12	24	6	1·01	+ 0·43	20·2	—	38	—
	†Hawarden Bridge (Southport)	55	26	49·0	34·8	42·2	− 0·3	32	20	5	0·73	+ 0·28	13·6	+ 6·0	26	+ 11
7. NORTH WALES	Llandudno	55	37	48·1	39·8	44·1	+ 0·4	24	6	7	0·86	+ 0·18	19·3	+ 10·0	36	+ 19
	†Holyhead (Aberdovey)	52	37	48·3	38·9	43·8	− 0·6	26	9	6	1·45	+ 0·51	12·0	—	22	—
	Bettws-y-Coed	52	32	47·0	35·3	41·4	− 2·2	14	29	7	2·29	—	13·4	—	25	—
	(Aberystwyth)												12·5	—	23	—
8. SOUTH WALES	Llangammarch Wells	53	23	46·8	31·9	39·7	− 0·8	13	41	7	2·10	—	13·9	—	26	—
	Pembroke	54	35	51·0	41·6	46·5	+ 1·1	33	1	7	1·71	+ 0·77	14·8	+ 3·3	27	+ 6
	Cardiff	54	27	48·7	33·3	41·6	− 0·8	19	36	6	3·05	+ 2·08	18·2	—	33	—
8. ENGLAND S.W.	Clifton	55	31	48·6	36·9	43·0	+ 0·8	28	14	7	2·75	+ 2·02	16·3	—	30	—
	†Shaftesbury (Marlborough)	53	34	46·0	36·8	41·6	+ 1·4	11	22	6	1·54	+ 0·77	15·3	+ 7·1	28	+ 13
	†Arlington (Newquay)	53	34	48·3	35·6	42·2	+ 0·4	28	18	6	3·69	+ 2·39	15·3	+ 2·1	27	+ 4
	Cullompton	56	30	49·0	34·6	42·1	+ 0·5	32	21	7	2·18	+ 1·38	12·7	+ 3·0	23	+ 5
	Plymouth	54	35	51·4	41·4	46·6	+ 2·0	35	2	7	2·17	+ 1·34	12·1	+ 0·1	22	0
	Falmouth	54	38	50·9	42·4	46·8	+ 1·0	34	0	7	1·84	+ 0·59	12·5	− 0·9	22	− 2
	(Torquay)												18·8	+ 6·3	34	+ 11
9. IRELAND, N. — Western part.	Malin Head	50	32	44·4	36·9	40·8	− 2·2	7	21	6	1·11	+ 0·36	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	53	33	48·3	36·7	42·7	− 1·6	27	15	7	2·21	+ 0·91	*	*	*	*
	Markree Castle	48	28	45·0	32·3	38·9	− 2·1	8	38	7	1·57	+ 0·63	8·9	− 0·1	17	0
9. IRELAND, N. — Eastern part.	Armagh	47	27	44·5	32·3	38·6	− 2·1	7	37	7	0·76	+ 0·09	21·0	+ 11·2	40	+ 22
	Donaghadee	53	32	46·6	36·3	41·7	− 0·9	13	25	5	0·73	− 0·02	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	52	34	47·1	36·3	41·9	− 1·4	14	25	5	0·90	+ 0·33	21·2	+ 8·4	40	+ 16
	Kilkenny	54	27	47·1	31·7	39·7	− 2·4	14	42	5	1·17	+ 0·43	*	*	*	*
	Waterford	53	28	49·3	33·4	41·7	− 1·0	20	38	6	1·08	+ 0·13	*	*	*	*
10. IRELAND, S.	Rice Castle	54	24	46·3	31·6	39·2	− 2·0	12	41	7	1·16	+ 0·48	7·8	− 3·9	15	− 7

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	43·5
	Crathes	4	18	38·9	42·4
	Balmoral	7	13	—	—
	Marchmont ..	7	25	37·0	—
2.	Cockle Park	7	24	37·8	42·3
	York	—	—	40·7	45·5
	Hull	6	20	39·3	46·9
	Lincoln	—	—	40·1	45·6
3.	Lowestoft	3	28	41·7	46·9
	Cambridge	5	19	40·7	47·0
	Dunmow				
	Clacton-on-Sea ..	5	22	45·1	49·7
4.	Harrogate	4	27	40·2	42·7
	Sheffield	5	25	40·0	45·8
	— — ..				
	Birmingham	7	26	41·6	47·0
	Nottingham	5	23	38·5	44·4
	— — ..				
5.	Kew	5	23	41·9	47·7
	Canterbury	5	25	44·7	49·0
	Portsmouth	3	24	44·8	49·9
	Wisley	4	24	42·2	47·4
6.	Glasgow	4	23	—	—
	Rothesay	—	—	—	43·9
	Dumfries	? 5	20	—	—
	Douglas	3	25	—	—
7.	Newton Rigg ..	7	21	39·4	43·8
	Southport	1	21	38·1	43·7
	Manchester City ..	0	32	40·1	46·5
	Bettws-y-Coed ..	0	31	40·9	46·0
	— — ..				
8.	Llangammarch Wells	6	16	42·4	47·7
	— — ..				
	Bath	—	—	44·1	50·1
	Plymouth	1	30	45·2	—
9.	Armagh	5	25	39·1	45·2
	Markree Castle ..	7	19	—	—
10.	Dublin, Trin. Coll. ..	4	27	41·4	46·0
11.	Guernsey, Brooklyn	1	30	47·0	51·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·7
	Kirkwall	44	42	43·0
	Wick	47	47	47·0
SCOTLAND, E.	Cromarty	42	39	40·9
	Pennan Bay	46	44	44·9
	Aberdeen, Cove Bay ..	47	42	44·3
ENGLAND, N.E.	Burnmouth, Berwick ..	45	42	44·1
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship ..			
	Margate	48	44	46·7
ENGLAND, S.E.	Eastbourne‡	50	48	49·3
SCOTLAND, W.	Lamlash	49	47	47·8
	Ballantrae	45	43	43·7
ENGLAND, N.W.	Port Erin	50	49	49·5
ENGLAND, S.W.	Newquay	49	49	49·0
	Plymouth‡	52	50	50·9
	Salcombe	52	50	50·9
IRELAND, N.W.	Sheephaven	48	42	46·8
	Ballyglass	47	41	45·5
IRELAND, S.W.	Cleggan	46	44	44·9
	Seafield	48	45	46·4
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

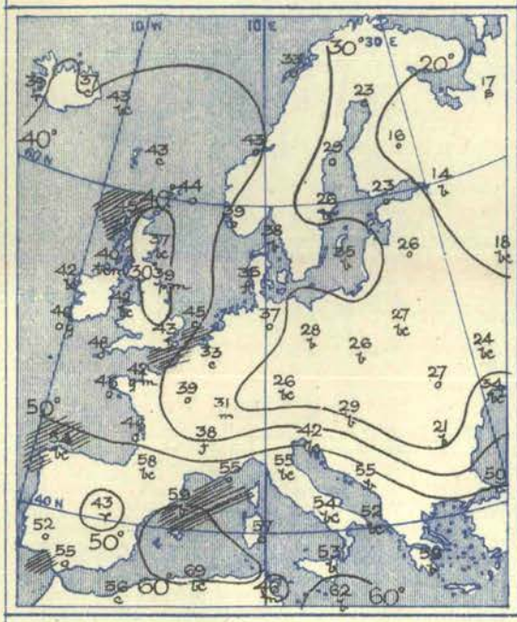
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

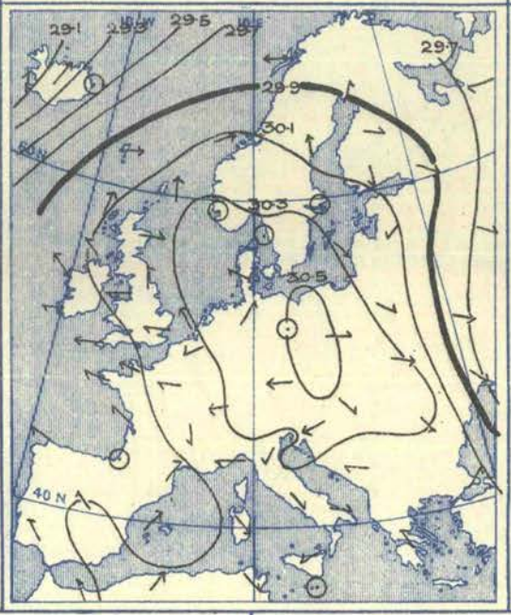
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 1st December, 1907.

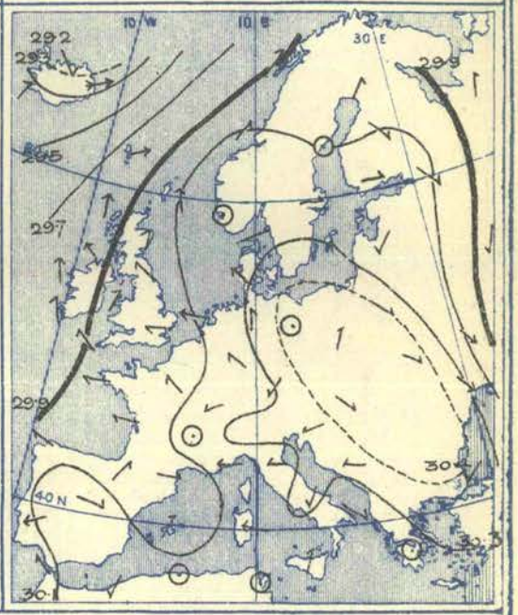
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright at many places in southern and central Europe and in a few localities elsewhere. Rain falling at Madrid and Constantinople, and showers at North Shields. Rain later in the west and north of our Islands, in the south of Russia, and the east of France. Largest measurement 0·6 in. at Lyons.

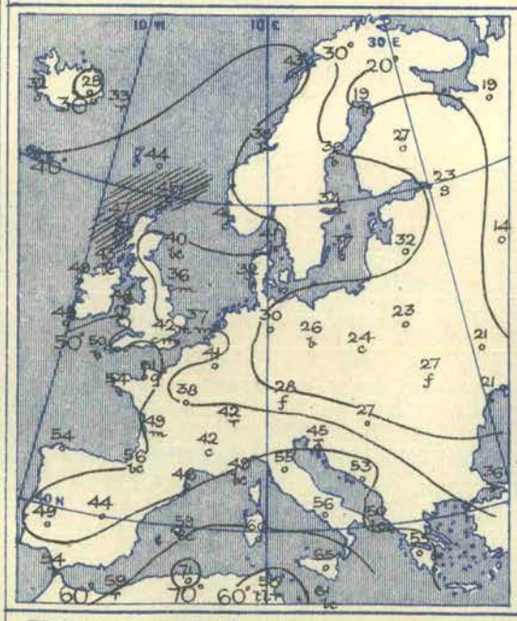
Temperature risen in England and Ireland, fallen in many other regions. Readings in morning between 50° and 60° at most stations in the south of our area, and as high as 68° at La Calle. Below 32° at Leith and over a large portion of the eastern half of our area, and as low as 14° at St. Petersburg. Rising later to 69° at Malta, to 73° at Algiers, and to above 65° at a few other southern stations. Maxima below 45° at some of our own stations. Frost continuing all day in Russia.

Wind in morning showing a very extensive anticyclonic circulation over all the more central countries, moderate to high from the Eastward over the south and south-west of England, and fresh to high from the South-Westward on our extreme north-west coasts and between that region and Iceland. A Westerly gale prevailing on the south coast of Russia. Latter continuing all day, but Easterly current decreasing in force over our Islands. A West South-Westerly gale setting in at Seydisfjord, but wind in that region decreasing in force generally.

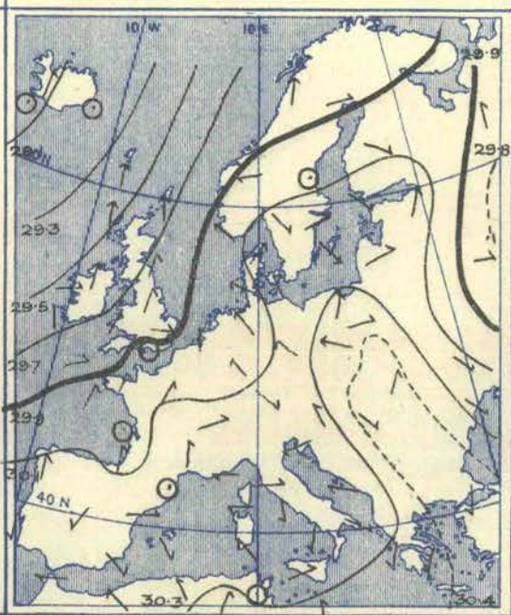
Barometer in morning as high as 30·5 ins. in a large anticyclone having its maximum over central Europe; decreasing to below 30·0 ins. over the Bay of Biscay, to less than 29·7 ins. over Russia, and to below 29·1 ins. to the westward of Iceland. Pressure decreasing over our Islands during day and increasing in the west of Iceland. Not much modification taking place in the general distribution of pressure. Anticyclone giving way slightly, but maintaining its position over the central countries.

Monday, 2nd December, 1907.

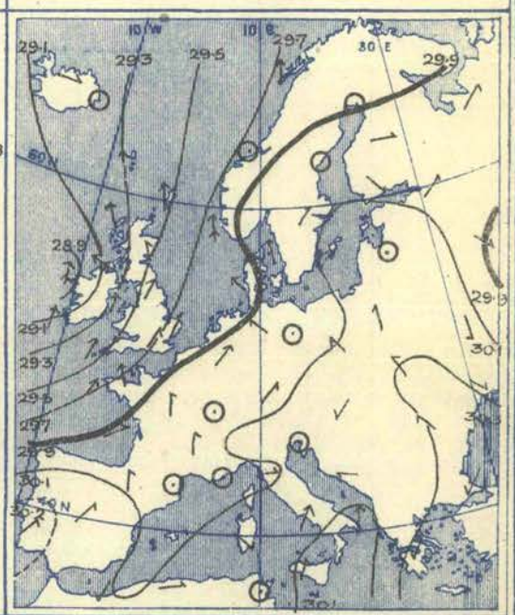
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at many of our own stations as well as at a few places in southern Europe and Scandinavia, but cloudy or dull over our area as a whole, with fog or mist at many of the Continental stations, showers on some parts of our own western coasts, rain at Trieste, and snow at St. Petersburg; a thunderstorm in progress at Tunis. Rain during day at nearly all our own stations, and at many places in France, Germany, Austria and Italy, heaviest falls 0·6 in. at Oxford, 0·9 in. at Naples, and 2·76 ins. at Ile d'Aix.

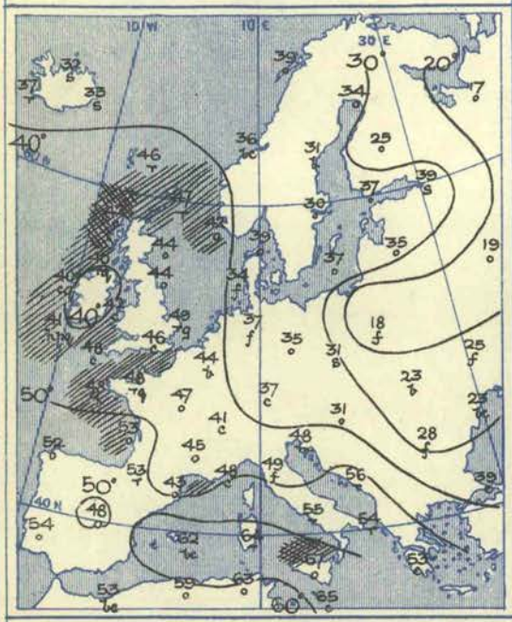
Temperature changing irregularly. Morning readings ranging from below the freezing point over Lapland and eastern and central Europe generally, and below 40° over the eastern half of Great Britain to 50° or above on our south-west coasts, on the western coasts of France and Spain, and at most stations in southern Europe, to 65° at Malta and to 71° at Algiers. Maxima during day above 50° in most parts of Ireland and England, between 60° and 65° in the west and south of France, and above 70° at many places in Spain, Italy and Algeria.

Wind Southerly or South-Westerly over the Bay of Biscay, France and the United Kingdom, light in force generally, but fresh to high in the Shetlands and Hebrides. South-Easterly, moderate to fresh, over north Germany and Denmark, North-Westerly, light, over eastern Russia; variable over southern Europe and the Mediterranean. Wind increasing to a strong breeze or gale in the west and south of our Islands during day, very little change elsewhere.

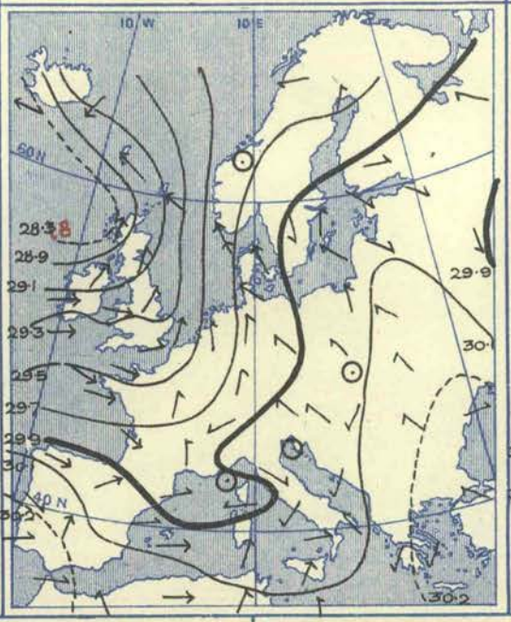
Barometer at 8 a.m. highest 30·4 ins. and more in an anticyclonic system over Poland, Austria, and Turkey. Lowest, below 29·9 ins. over nearly the whole of these Islands, and decreasing thence to below 29·1 ins. in the west of Iceland; relatively low 29·8 ins. and less over eastern Russia. Pressure decreasing during day over nearly the whole of Europe, and becoming as low as 28·9 ins. and less in the north-west of Ireland.

Tuesday, 3rd December, 1907.

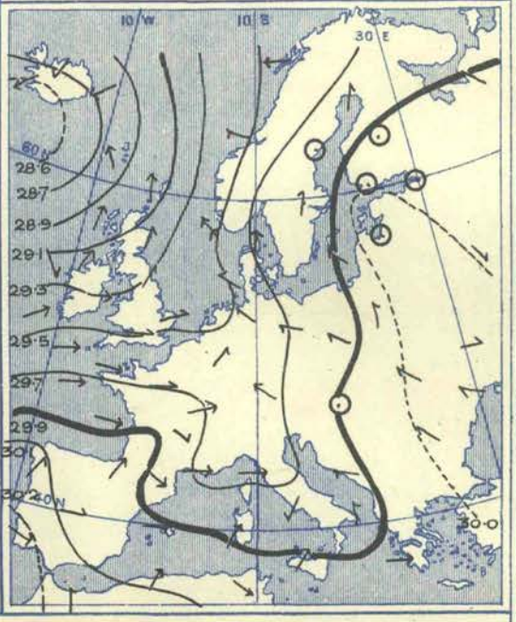
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over Europe as a whole, with rain at most stations in south-eastern England, as well as at several of those in France and Spain, and showers of rain or hail at several places on our western coasts, snow or rain also falling in Iceland, snow at Breslau and Cracow and rain in the eastern half of the Mediterranean. Heavy rain during day in many parts of our area, largest measurements 0·7 in. at Blacksod Point, 0·8 in. at Oporto, 0·9 in. at Rome, and 1¼ inch at Naples.

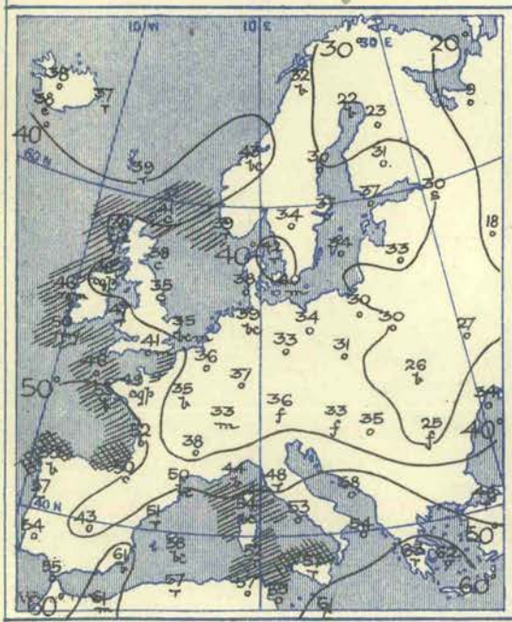
Temperature risen over the eastern half of Great Britain and over the Continent generally, fallen over our western districts, the west of France and north of Spain, and also in Algeria and northern Italy. Morning readings highest, above 60° over the central part of the Mediterranean region, and above 50° at most stations in southern Europe. Lowest, below the freezing point over eastern and central Europe generally, below 45° over Ireland, Scotland and the greater part of England. Remaining below 50° at nearly all our own stations during day, exceeding 60° over southern Europe, and exceeding 70° at some of the Mediterranean and Algerian stations.

Wind at 8 a.m. South-Westerly to Westerly over the British Isles, light in force on the north-east coast of Great Britain, strong or high in the west and south, a gale at Stornoway. South-Easterly or Easterly, high in the Arctic Seas. Generally light and variable over the Continent, but North-Westerly over the Bay of Biscay region, and Westerly or South-Westerly, light to fresh over the Mediterranean. Wind decreasing considerably in force on our coasts during day, but some increase taking place in the Mediterranean; very little change elsewhere.

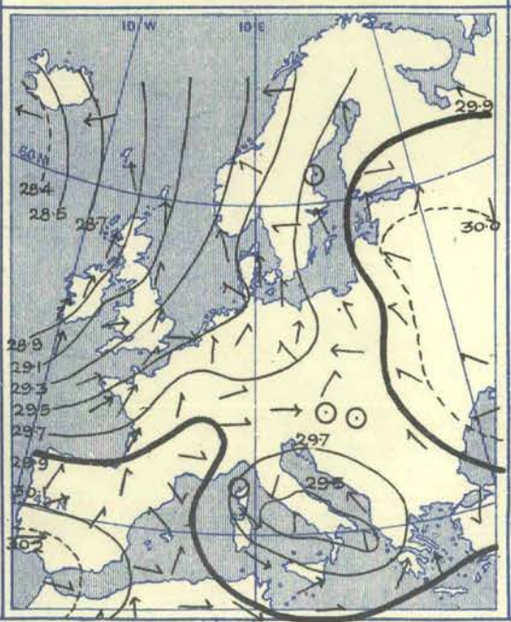
Barometer in morning highest 30·2 ins. and upwards in two areas, one over Turkey and the Black Sea, the other to the south-westward of the Spanish Peninsula. Lowest, 28·8 ins. and less in a deep depression between the Hebrides and Iceland, and below 29·5 ins. over nearly the whole of our Islands. Pressure giving way over the Continent during day and anticyclone over Turkey disappearing by 6 p.m. Depression in north-west moving slowly northward.

Wednesday, 4th December, 1907.

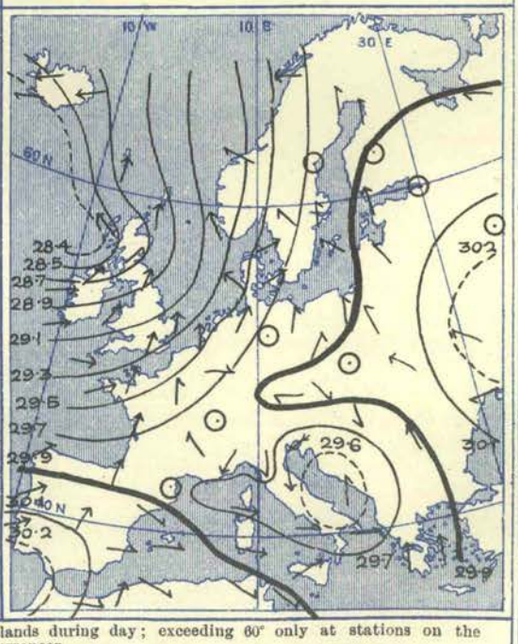
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the eastern half of Great Britain, but dull over the remainder of our area, with rain at most of our western stations, at many places in Spain and the Mediterranean region, as well as in the south of Scandinavia, snow at St. Petersburg and Moscow, and fog in central Europe. Rain general over the north-western countries during day and also over Italy and the Adriatic, heaviest falls in our Islands half an inch at Holyhead and Yarmouth, three-quarters of an inch at Oxford, and more than an inch at Bath; on the Continent, about half an inch in the west of France, three-quarters of an inch at Palermo, and 0·9 in. at Lesina and Oxö.

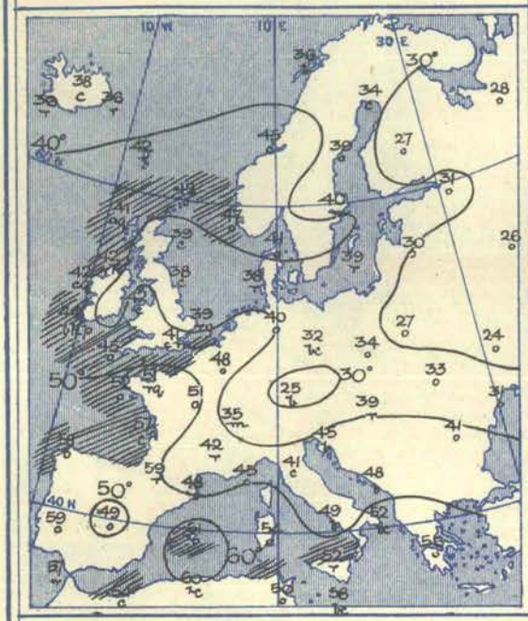
Temperature risen over Ireland and also over south-eastern and eastern Europe, fallen over Great Britain, the Low Countries, central and southern France, and southern Europe generally. Morning readings highest, 50° or above on the west coast of France and Spain and over the Mediterranean, highest 61° at Malta, 63° at Patras. Lowest, 18° at Moscow, below the freezing point over Lapland, Russia and eastern Europe, and below 40° in the Icelandic region and over Great Britain generally. Rising to between 50° and 55° over the southern parts of these Islands during day; exceeding 60° only at stations on the southern shores of the Mediterranean.

Wind South-Westerly over Spain, France and British Isles, strong or high at nearly all our western stations; drawing into South-East and East over the Northern Seas, strong to a gale in force; Southerly or South-Easterly, light or moderate, over northern Europe generally. Cyclonic circulation of wind around Italy, strong generally, a gale at Sanguinaire. Wind veering to the Westward over Ireland and backing to the South-Eastward in the Hebrides later; some increase of force over England, not much change on the Continent.

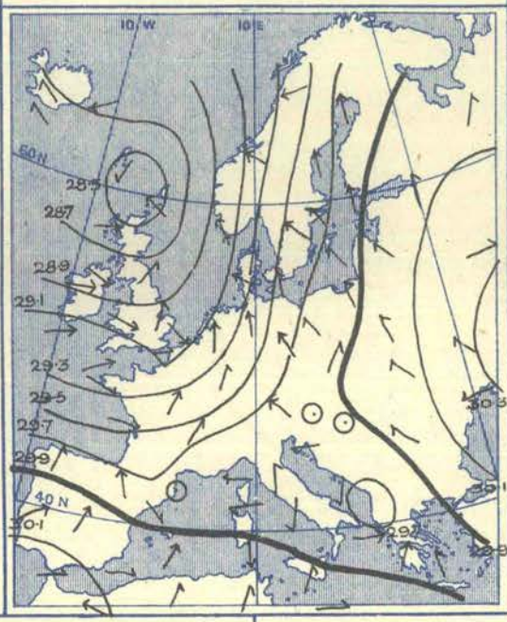
Barometer at 8 a.m. highest, 30·2 ins. and upwards off the south-west of Spain, and above 30·0 ins. over central Russia. Lowest below 29·5 ins. over nearly the whole of our Islands and below 28·4 ins. to the southward of Iceland; 29·5 ins. and less in a depression over Italy. Barometer falling briskly during day in Scotland and depression from the Atlantic approaching near to the Hebrides. Low pressure system over Italy not changing its position much.

Thursday, 5th December, 1907.

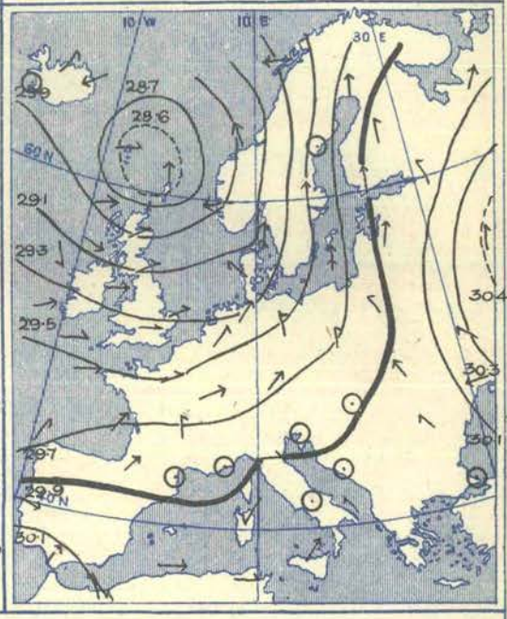
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at a few of our own stations and also at some of those in Germany, Italy, and Algeria, but cloudy or dull over western Europe as a whole, with showers of rain and hail in many parts of our Islands, and steady rain at many of the Scandinavian, French, and Spanish stations, and also in Iceland and Faeröe, and snow at Hangö. Rain falling during day in most parts of Europe, largest measurements 1·1 in. at Gap and 1·7 in. at Skudesnaes; thunderstorm occurring at Jersey.

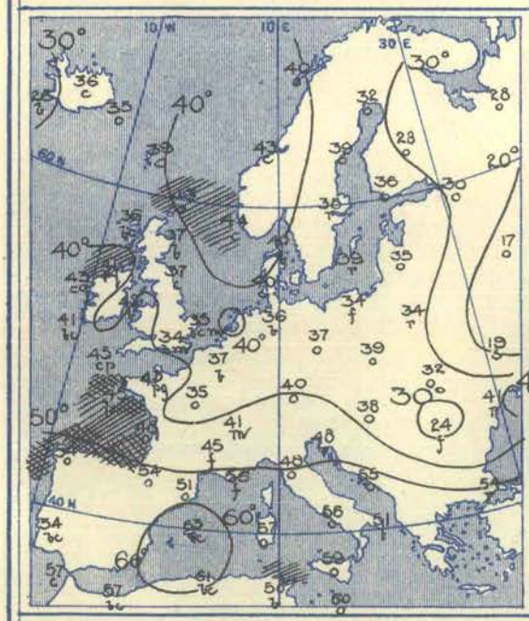
Temperature fallen over our western districts, risen in the east of Great Britain and France, Spain, and in the countries to the eastward of the North Sea, changed irregularly over eastern and central Europe, fallen over Italy and the eastern Mediterranean. Morning readings ranging from below the freezing point over Russia and Poland, and below 40° over a large part of the United Kingdom and central Europe, to above 50° over the western parts of the Continent and to above 60° at some Mediterranean stations. Rising to 55° at Jersey during day, but not touching 50° at any of our other stations, maxima of 65° to 70° in many of the Mediterranean localities.

Wind at 8 a.m. showing a cyclonic circulation over western Europe, Easterly or North-Easterly over Faeröe and Iceland. South-Westerly to North-Westerly over our Islands and the Bay of Biscay, South-Easterly or Southerly over Scandinavia, Germany, and Central France; fresh to a gale in force generally. Separate circulation over south-eastern Europe. Decreasing in force over our Islands during day, but gales still blowing over southern Scandinavia.

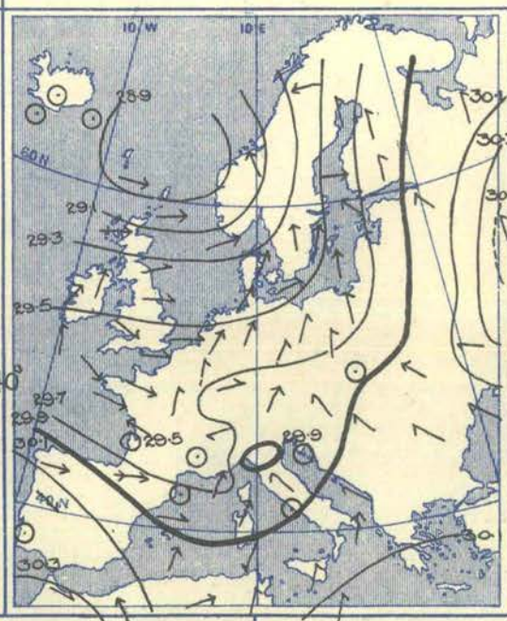
Barometer in morning, highest, 30·4 ins. and upwards over south-eastern Russia, 30·1 in. and more to the southward of Spain. Lowest, 28·5 ins. and less in a deep depression centred between Shetland and Faeröe; below 29·5 ins. over nearly the whole of north-western Europe. About 29·7 ins. in a shallow system over the Adriatic. Latter system disappearing by evening, former not changing its position much.

Friday, 6th December, 1907.

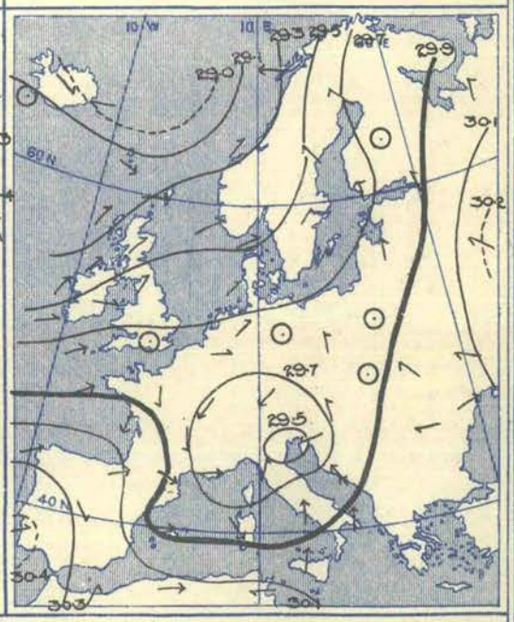
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of these Islands and their immediate neighbourhood, but showery on some parts of our south-west coast. Very cloudy or entirely overcast in almost all other regions except Algeria, with rain in some southern localities, and snow at Kieff. Rain experienced later over the United Kingdom and a large portion of the Continent; amounts heavy at many foreign stations—1·0 in. at Vienna and 1·6 in. at Trieste.

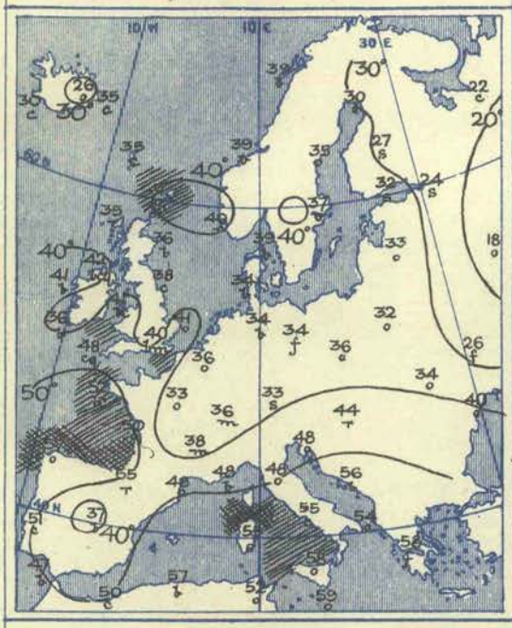
Temperature fallen over our Islands, the Netherlands, and the adjacent part of France, as well as in central Russia, risen or changed little elsewhere. Readings in morning as high as 63° at Palma and above 55° at several other southern stations. A little below 40° over our area as a whole, and below 20° over most of Russia. Maxima during day less than 45° in most parts of these Islands and below 40° over a considerable portion of Austria. Thermometer rising to above 60° over the Mediterranean region generally, and to 70° or slightly higher in Algeria. Frost at night in various parts of this country.

Wind in morning showing a very extensive and nearly complete cyclonic circulation over the northern half of our area and some smaller movements elsewhere. No great force generally, but a strong gale from West blowing at Biarritz, a high wind from that quarter at Thorshavn, and a South-West wind at Palma. Some increase in force taking place later over the western half of the Mediterranean.

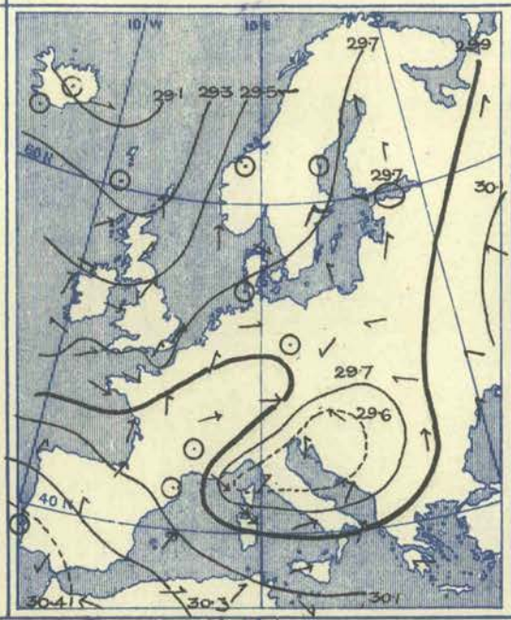
Barometer in morning above 30·4 ins. over central Russia and above 30·3 ins. in the south-west of Spain; below 29·5 ins. in a depression having its centre near Bordeaux, and less than 28·9 ins. in a very large system to the northward of Scotland. Latter moving northwards during day and former system apparently travelling south-eastwards to the Gulf of Lyons. Russian high pressure system either giving way somewhat or receding eastwards, but that in the extreme south-west of our area maintaining its position.

Saturday, 7th December, 1907.

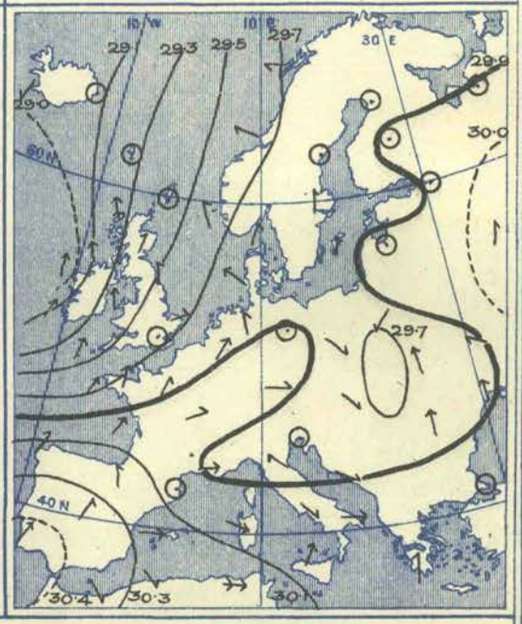
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine to rainy over our Islands, and changeable and unsettled over Europe generally; snow falling over the Gulf of Finland and rain in various parts of central Europe and France. Rain falling later over these Islands and the neighbouring regions of the Continent and in Sicily, and rain or snow in Russia. About an inch of rain measured at Cape Gris Nez and Rochefort, and more than 0·5 in. in several other places.

Temperature risen over the south-east of our area, fallen or changed irregularly elsewhere. Readings in morning 18° at Moscow, 22° at Archangel, and 24° at St. Petersburg; below 40° over our area generally, but above 50° over various parts of the Mediterranean region, and as high as 59° at Malta and Palma. Maxima during day some way above 50° over this country and above 60° in Italy and southern Europe generally. Thermometer only slightly exceeding 32° over the central countries.

Wind in morning showing a large cyclonic circulation around northern Italy and its vicinity; moderate to strong generally, but a North-Westerly gale prevailing at Sanguinaire. Moderate breezes, mainly from the Westward, over these Islands. Backing towards South and increasing greatly in force on all our western and south-western coasts during day. Continuing fresh to strong in various parts of the Mediterranean region, and blowing a gale at La Calle.

Barometer above 30·4 ins. over the south-west of Spain and above 30·1 ins. over central Russia; less than 29·6 ins. in a large depression extending from the Gulf of Genoa to Buda-Pesth, and to below 29·1 ins. over the east of Iceland and its vicinity. Depression over central countries undergoing much modification during day, and a fresh system advancing quickly towards these Islands from the westward; barometer falling as much as half an inch by evening on the west coast of Ireland. Spanish high pressure maintaining its position and intensity.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
December 1st, 10.3 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature F.	41°	36°	48°					One kite, 4,000 ft. wire. Inversion 35° to 40° at 2,000 ft. and also from 38° to 43° at 2,600 ft. On the descent 40 minutes later the second inversion had become an isothermal. Stratus at 2,000 ft.
		Humidity	90%	90 %	65 %					
		Wind Velocity, m. per hr.	E by S, *28	ESE, 38	ESE, 45					
December 3rd, 10.25 a.m. to 11.38 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	36°	30°					One kite, 45 sq. ft.; 5,000 ft. wire. Scud at 1,800 ft. Cirrus from S. Clear afternoon.
		Humidity	80%	90%	70%					
		Wind Velocity, m. per hr.	WSW, 11	W, 35	W by N, 30					
December 5th, 10.0 a.m. to 4.20 p.m.	Aldershot, 260 ft.	Temperature F.	42°	37°						Max. height, 2,000 ft., at 10.30. Height very slowly fell to 1,800 ft. at 4.0 p.m. Temp. ranged from 33° to 36°. Wind at top W, 15° N. The ascent was so rapid that the temp. at 1,660 ft. on the ascent could not be read accurately. The values at 1,660 ft. on the descent were—Temp. 34°, Humidity 75%, Wind 33 miles per hr. Weather—Cloudy, clearing later.
		Humidity	90%	90 %						
		Wind Velocity, m. per hr.	W, —	—, 30						
December 5th, 10.35 a.m. to 3.35 p.m.	Brighton, 380 ft.	Temperature F.	41°	37°	31°	25°				Three kites, 114 sq. ft.; 10,100 ft. wire. Max. height 5,400 ft. Temp. 25°. Clear to overcast and again clear. A few light clouds at 1,800 ft. Other clouds of various types not reached. Wind increasing during the ascent, temp. rising.
		Humidity	90%	95%	80%	80%				
		Wind Velocity, m. per hr.	W by S, *20	W by N, 35	W, 38	W by S, 38				
December 5th, 10.40 a.m. to 12.20 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	37°	31°	25°	[19°]			Two kites, 90 sq. ft.; 9,000 ft. wire. Max. ht., 6,300 ft. Wind estimated from the pull, as pen failed. Clear. Ascent remarkable for steady decrease of humidity.
		Humidity	90%	80%	60%	60%	[50%]			
		Wind Velocity, m. per hr.	SW by W, 10	W by S, 35	W, 35	W, 35	[W, 35]			
December 5th, 3.40 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Registering balloon, followed by two theodolites. Ascensional velocity, 660 ft. per minute.
		Humidity								
		Wind Velocity, m. per hr.	WSW, 10	W, 30	W by N, 45	W by N, 45	W by N, 45			
December 7th, 10.12 a.m. to 11.25 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	39°	33°					One kite, 65 sq. ft.; 5,900 ft. wire. Max. ht., 4,000 ft. Temp. 30°. Clear. Wind increased rapidly at 1,100 ft., and the temp. at 900 ft. (400 above ground) was 3° F. below the surface temp.
		Humidity	95%	95%	85%					
		Wind Velocity, m. per hr.	SW, 8	W, 30	W, 28					
December 7th, 10.30 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature F.	43°							Max. height, 2,900 ft. Paper failed to revolve. Lowest temp. 35°. No change of humidity or wind direction. Scud at 1,250 ft. Very light wind above.
		Humidity	85%							
		Wind Velocity, m. per hr.	W by N, *15							

* Estimated.

63, Victoria Street, London, S.W. *December 11th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* No. 50. FIFTIETH WEEK, ENDING SATURDAY, DECEMBER 14TH, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally rough and very unsettled, and rain unusually frequent and heavy. Lightning was observed in some parts of southern England both early and late in the week, thunderstorms occurred at Llangammarch Wells on the 8th, at Markree on the 13th and on two or three days at Jersey, while distant thunder was heard at Epsom on the 12th. Snow and sleet were experienced in the north early in the week and again towards its close.

Temperature exceeded the average, the excess ranging from a small fraction of a degree in Ireland S. to about 5° in England S. and E. The highest of the maxima were recorded on the 8th at almost all stations, and ranged from 58° in England E. and the English Channel to 49° in Scotland N. and E. The lowest of the minima, which occurred, as a rule, between the 12th and 14th, were below the freezing point in most districts, ranging from 21° in Scotland E. and 22° in Scotland N. to between 28° and 34° over the Kingdom generally. In the English Channel the lowest reading was 42°. The lowest grass minima reported were 13° at Crathes, 17° at Balmoral and 24° at Dumfries.

Mean Temperature of the Sea.—At most of the stations the water had a very similar temperature to that of the preceding week, but at Aberdeen it was nearly 3½° lower. The actual values ranged from 50°·1 at Salcombe and Port Erin to rather below 41° at Aberdeen and Cromarty.

Rainfall was largely in excess of the average over Great Britain. In most places rain fell on six of the seven days, and individual falls of 0·5 inch or more were very common. Falls of an inch were recorded on two or more days in various parts of Scotland, and also at Swarraton on the 12th. In Ireland S. the total fall was less than the average.

Bright Sunshine was less than the normal in England N.E., the Midland Counties and England N.W. and S.W., as well as in Scotland W. In Scotland N. and E. and Ireland N. it just equalled the average, and in England E. and S., the English Channel and Ireland S. it exceeded it. The percentage of the possible duration ranged from 28 in England S. and E. to 6 in England N.W. and to 2 in Scotland W.

Barometer and Wind.—During the greater part of the week the centre of a disturbance of gradually decreasing intensity lay off the north and west of Scotland, and the winds over these Islands blew freshly or strongly from the Westward, occasionally reaching the force of a gale. During the night of Wednesday a small secondary depression appeared at the mouth of the Channel and subsequently moved eastward to the Straits of Dover and north-eastward to the North Sea. On Friday and Saturday the chief feature was the passage of a very large disturbance from beyond the north-west of Scotland across Great Britain to Holland. During its progress over our Islands the system increased greatly in depth, the lowest reading of the barometer reported being 28·39 ins. at Spurn Head at 8 a.m. on Saturday. The greatest strength of the wind accompanying this disturbance was from West or North-West, and fresh or strong gales prevailed on most parts of the English and Irish coasts. At the end of the period the barometer was rising with unusual rapidity over England, and the depression was decreasing quickly in intensity.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 396.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ...	Heavy	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Moderate	Heavy	Very heavy	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Abundant	Moderate	Abundant	Very scanty	Scanty	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907. 2 weeks from Dec. 1st.	Warmth ...	**0***0	**0***0	**0***1	**0***1	**1***0	**2***0	**0***1	**1***1	**0***0	**1***1	**0***1	**1***0
	Rainfall ...	**1***0	**2***0	**1***0	**2***0	**2***0	**2***0	**1***0	**2***0	**2***0	**1***0	**0***0	**2***0
	Sunshine ...	**1***0	**1***0	**1***1	**2***0	**1***0	**2***0	**0***1	**1***1	**1***0	**1***0	**0***0	**0***0

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	**5***7	**5***6	**3***6	**2***5	**2***4	**2***5	**5***6	**2***5	**0***7	**4***4	**2***6	**1***7
	Rainfall ...	**4***2	**4***7	**2***6	**3***5	**2***7	**2***8	**3***5	**5***7	**2***5	**3***5	**1***8	**3***7
	Sunshine ...	**1***5	**9***0	**10***1	**4***2	**6***1	**5***1	**5***4	**6***1	**4***3	**3***4	**3***4	**2***4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3***5	**3***5	**5***5	**5***3	**4***3	**4***4	**4***4	**4***4	**4***3	**3***3	**5***3	**4***5
	Rainfall ...	**6***2	**5***4	**4***2	**5***4	**5***1	**5***2	**6***3	**5***1	**6***3	**8***2	**4***6	**5***2
	Sunshine ...	**2***2	**5***6	**6***3	**6***4	**3***4	**4***4	**2***5	**4***4	**3***5	**3***4	**4***4	**2***5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**2***9	**1***10	**2***8	**2***7	**1***7	**0***8	**1***8	**1***8	**1***8	**2***7	**2***5	**2***7
	Rainfall ...	**7***2	**3***2	**3***5	**1***5	**5***4	**4***5	**5***2	**6***3	**6***4	**6***4	**4***4	**3***6
	Sunshine ...	**2***7	**1***7	**2***3	**0***5	**2***6	**3***5	**2***6	**2***6	**1***6	**3***3	**2***5	**2***7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**7***2	**5***2	**9***3	**8***0	**6***1	**7***0	**6***3	**6***3	**4***0	**6***3	**4***4	**9***1
	Rainfall ...	**3***8	**3***6	**3***5	**4***7	**5***5	**3***5	**2***6	**3***4	**5***4	**1***5	**5***3	**4***4
	Sunshine ...	**6***1	**6***3	**5***3	**4***5	**5***4	**5***6	**3***3	**4***1	**5***4	**4***5	**4***6	**2***3

6673 370 Wy. & S. Ltd. 12—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (50th)—December 8th to December 14th, 1907.

DISTRICTS. (See p. 395)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.	6	0	Inches.	Inches.	4	0	%	%
0. SCOTLAND, NORTH	49	22	43·5	35·9	39·8	+ 0·8	4	− 5	23	− 6	6	0	2·09	+0·67	4	0	9	0
Eastern																		
1. SCOTLAND, EAST	49	21	43·2	33·5	38·6	+ 0·7	3	− 5	32	− 6	5	0	1·29	+0·61	7	0	15	0
2. ENGLAND, N.E.	55	31	46·2	36·9	41·8	+ 2·6	12	+ 3	23	− 7	6	+ 3	1·10	+0·52	5	− 3	11	− 5
3. ENGLAND, EAST	58	34	48·3	39·4	44·0	+ 5·0	25	+ 15	7	− 27	6	+ 2	1·35	+0·87	15	+ 5	28	+ 9
4. MIDLAND COUNTIES	57	31	46·6	37·3	42·1	+ 3·3	20	+ 9	13	− 23	7	+ 3	1·57	+1·03	7	− 1	13	− 3
5. ENGLAND, SOUTH	57	34	49·8	41·4	45·8	+ 4·7	29	+ 12	2	− 21	6	+ 2	1·91	+1·31	15	+ 5	28	+ 9
Western																		
6. SCOTLAND, WEST	52	28	46·0	37·7	42·0	+ 1·2	11	− 2	12	− 10	6	+ 1	1·52	+0·27	1	− 6	2	−12
7. ENGLAND, N.W.	54	28	46·2	38·9	42·3	+ 1·7	19	+ 6	11	− 13	6	+ 1	1·46	+0·67	3	− 4	6	− 8
8. ENGLAND, S.W.	56	31	48·7	39·5	44·3	+ 1·7	27	+ 6	7	− 9	6	+ 1	2·41	+1·35	8	− 2	16	− 4
9. IRELAND, NORTH	53	30	46·7	38·2	42·7	+ 1·6	21	+ 7	11	− 11	6	+ 1	1·06	+0·18	9	0	17	0
10. IRELAND, SOUTH	54	29	47·8	38·2	43·2	+ 0·2	24	+ 1	11	− 5	6	+ 1	0·93	−0·10	13	+ 2	24	+ 4
11. ENGLISH CHANNEL	58	42	52·1	44·8	48·6	+ 1·6	46	+ 12	0	− 4	7	+ 2	1·36	+0·43	15	+ 2	27	+ 4

THE SEASON (**Winter**). Aggregates, &c., for the Period of 2 Weeks, December 1st to December 14th, 1907.

0. SCOTLAND, NORTH	50	22	*	*	*	*	10	− 9	51	− 6	12	+ 1	3·75	+0·79	11	+ 2	12	+ 2
Eastern																		
1. SCOTLAND, EAST	49	21	*	*	*	*	4	− 13	66	− 6	9	− 1	2·34	+0·88	19	+ 4	20	+ 4
2. ENGLAND, N.E.	55	25	*	*	*	*	23	+ 3	58	+ 2	11	+ 4	1·86	+0·73	19	+ 1	18	+ 1
3. ENGLAND, EAST	58	28	*	*	*	*	41	+ 18	40	− 24	11	+ 2	2·17	+1·12	31	+ 11	29	+10
4. MIDLAND COUNTIES	57	26	*	*	*	*	34	+ 10	48	− 19	12	+ 4	2·84	+1·70	23	+ 6	22	+ 6
5. ENGLAND, SOUTH	57	27	*	*	*	*	60	+ 24	15	− 29	11	+ 2	3·05	+1·74	32	+ 11	29	+10
Western																		
6. SCOTLAND, WEST	52	25	*	*	*	*	19	− 8	41	− 2	13	+ 3	3·64	+1·04	10	− 4	10	− 4
7. ENGLAND, N.W.	55	26	*	*	*	*	32	+ 4	38	− 5	12	+ 2	3·03	+1·34	16	+ 1	15	+ 1
8. ENGLAND, SW	56	23	*	*	*	*	56	+ 11	20	− 11	13	+ 3	4·75	+2·53	22	+ 1	20	+ 1
9. IRELAND, NORTH	53	27	*	*	*	*	32	+ 3	40	− 2	12	+ 1	2·34	+0·55	24	+ 5	23	+ 5
10. IRELAND, SOUTH	56	24	*	*	*	*	41	− 7	43	+ 12	12	+ 2	2·46	+0·42	25	+ 3	23	+ 3
11. ENGLISH CHANNEL	58	40	*	*	*	*	89	+ 18	0	− 7	13	+ 3	2·66	+0·67	31	+ 5	27	+ 4

THE YEAR.—Aggregates, &c., for the period of 50 Weeks, December 30th, 1906, to December 14th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1861	−236	679	− 52	257	+20	49·26	−0·71	1110	+ 9	26	0
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2225	−115	778	− 66	202	+ 6	30·60	+1·01	1299	− 15	30	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2614	− 12	630	+ 14	188	+11	23·73	−0·15	1473	+ 42	34	+ 1
3. ENGLAND, EAST	81	10	*	*	*	*	3016	− 15	597	− 88	176	+ 4	21·07	−2·44	1556	− 2	36	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2770	−174	664	− 54	187	+17	28·22	+2·99	1390	+ 3	32	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3167	−136	476	− 16	172	+ 7	26·20	+0·29	1615	+ 38	38	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2405	−157	527	− 22	219	+14	49·02	+3·06	1242	−106	29	− 2
7. ENGLAND, N.W.	81	15	*	*	*	*	2630	−173	517	+ 26	214	+24	35·56	+2·11	1355	− 17	31	0
8. ENGLAND, S.W.	82	5	*	*	*	*	2911	−247	442	+ 59	213	+24	40·11	+3·28	1509	− 32	35	− 1
9 IRELAND, NORTH	81	16	*	*	*	*	2494	−184	395	− 63	240	+17	38·70	+2·02	1213	− 52	28	− 1
10. IRELAND, SOUTH	85	11	*	*	*	*	3000	−109	358	+ 8	235	+36	35·96	−2·18	1320	−107	31	− 3
11 ENGLISH CHANNEL	81	21	*	*	*	*	3662	− 72	96	− 24	189	−13	29·34	−1·81	1747	−124	41	− 3

† At districts Nos. 0, 1, and 6, 20 years.

December 8-14, 1907.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness)	46	35	45·0	39·6	42·4	+ 2·3	13	7	6	0·62	− 0·41	6·3	+ 0·9	15	+ 2
	Stornoway	49	30	44·1	37·1	40·7	+ 0·7	6	19	6	1·90	+ 0·60	1·5	− 4·5	3	− 10
0. SCOTLAND, N. — Mainland.	Wick	47	34	44·6	37·4	41·1	+ 2·2	7	19	4	0·85	+ 0·19	*	*	*	*
	†Lairg (Strathpeffer)	44	22	40·9	32·0	36·6	+ 0·7	0	38	6	1·65	+ 0·83	5·8	− 0·9	13	− 2
	Glencarron	46	26	43·0	34·5	38·9	+ 1·0	3	28	7	2·90	+ 0·62	*	*	*	*
	Fort Augustus	46	32	42·7	34·7	38·9	+ 0·2	2	27	6	2·69	+ 1·44	1·8	− 0·2	4	0
	Fort William (West Linton)	48	32	44·2	35·9	40·2	0·0	6	24	7	4·01	+ 1·83	*	*	*	*
													1·8	—	4	—
1. SCOTLAND, E.	Nairn	47	29	43·7	32·7	38·4	+ 0·3	5	35	6	0·65	+ 0·18	13·5	—	30	—
	Aberdeen	46	27	43·7	35·3	39·7	+ 0·7	5	26	4	1·21	+ 0·50	8·1	− 0·9	18	− 2
	†Balmoral (Crathes)	43	21	40·6	29·9	35·5	0·0	0	46	4	1·27	+ 0·49	11·8	—	26	—
	†Crieff (Balruddery)	44	30	41·1	32·5	37·0	− 1·1	0	35	5	1·66	+ 0·66	5·3	—	11	—
	†Leith (Edinburgh)	49	32	46·0	37·7	42·0	+ 2·1	11	12	5	1·62	+ 1·16	2·0	− 3·0	4	− 6
	Marchmont (Saltburn)	46	30	44·3	33·2	39·0	+ 1·6	6	34	5	1·31	+ 0·63	2·2	− 5·9	5	− 12
													2·5	—	5	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	54	31	46·4	35·8	41·3	+ 2·1	12	26	5	1·07	+ 0·34	3·3	—	7	—
	†Shields (Newcastle)	52	33	47·1	35·6	41·6	+ 1·6	14	28	5	0·96	+ 0·45	2·0	− 3·4	4	− 7
	Durham	51	31	45·0	34·2	39·8	+ 1·6	8	31	5	0·89	+ 0·36	3·4	− 6·1	7	− 12
	Scarborough	52	35	47·2	37·6	42·6	+ 2·5	23	12	7	1·69	+ 1·13	0·7	—	1	—
	York	53	34	46·2	38·2	42·4	+ 3·3	19	11	6	1·39	+ 0·93	0·0	− 5·9	0	− 12
2. ENGLAND, N.E. — Southern part.	Spurn Head	53	37	46·1	39·4	42·9	+ 2·4	17	7	5	0·76	+ 0·33	*	*	*	*
	†Lincoln (Skegness)												14·9	—	29	—
	†Fulbeck (Rauceby)	55	34	45·5	37·8	41·8	+ 3·6	10	18	7	0·96	+ 0·54	10·0	—	19	—
3. ENGLAND, E. — Northern part.	Hillington	55	34	46·7	37·7	42·4	+ 3·8	21	12	6	1·48	+ 0·93	12·1	+ 2·6	23	+ 5
	†Yarmouth (Lowestoft)	55	37	46·7	39·7	43·3	+ 3·7	19	6	7	1·36	+ 0·84	16·2	—	31	—
	Geldeston (Cromer)	58	36	48·8	38·6	43·9	+ 4·2	28	10	7	1·12	+ 0·64	16·0	+ 4·9	30	+ 9
													14·6	—	28	—
3. ENGLAND, E. — Southern part.	Cambridge	57	35	49·2	38·6	44·1	+ 5·1	29	10	6	1·24	+ 0·84	14·9	+ 5·6	28	+ 11
	Felixstowe	55	36	47·9	39·3	43·8	+ 3·7	24	8	6	1·11	—	13·4	—	25	—
	Clacton-on-Sea	53	37	47·9	40·6	44·4	+ 4·6	23	4	6	1·04	—	13·1	—	24	—
	Rothamsted	56	34	48·1	37·7	43·1	+ 4·0	26	12	7	1·43	+ 0·88	16·5	+ 6·8	31	+ 13
	†Shoeburyness (Southend)	57	36	49·3	41·4	45·5	+ 5·0	27	2	6	1·42	+ 1·02	17·0	—	32	—
	London, Westminster (Dunmow)	57	37	49·7	40·7	45·4	+ 5·2	29	4	6	1·93	+ 1·46	11·7	+ 8·6	22	+ 16
														—		—
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	52	31	43·4	35·1	39·4	+ 1·1	4	26	6	0·94	+ 0·36	2·0	—	4	—
	†Bawtry (Worksop)	—	33	—	36·7	—	—	—	—	7	1·52	+ 1·07	3·0	− 4·1	6	− 8
	Nottingham	55	33	46·6	37·1	42·0	+ 2·9	13	14	7	1·62	+ 1·17	4·9	—	9	—
	Raunds	*57*	*33*	*48·1*	*37·0*	*42·8*	*+ 4·3*	27	*14*	*6*	*1·48*	—	*	*	*	*
	Birmingham, Edgbaston	53	33	45·2	37·2	41·4	+ 1·7	9	20	7	2·19	+ 1·69	5·0	—	9	—
	Oxford	57	36	48·4	39·4	44·1	+ 4·4	26	7	7	1·60	+ 1·15	11·3	+ 1·8	21	+ 3
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield)	52	33	45·2	35·5	40·5	+ 2·4	9	26	7	1·09	+ 0·43	5·8	—	11	—
	Shrewsbury	56	35	47·8	38·4	43·3	+ 1·8	24	10	6	0·98	—	*	*	*	*
	Hereford	54	34	47·5	38·6	43·2	+ 3·6	23	10	7	1·56	+ 0·99	*	*	*	*
	Cirencester	54	32	46·1	35·2	40·9	+ 2·3	11	28	7	1·76	+ 1·11	8·3	− 0·9	15	− 2
	Bath (Margate)	57	33	49·1	39·1	44·3	+ 2·6	28	8	6	2·41	+ 1·75	14·2	—	26	—
													14·3	+ 3·6	27	+ 7
5. ENGLAND, S.	Kew	57	36	49·5	40·9	45·4	+ 5·2	28	3	5	2·14	+ 1·72	14·7	+ 6·3	27	+ 12
	Wisley, Surrey	57	36	49·3	40·4	45·0	+ 4·5	28	4	5	1·55	—	15·7	—	29	—
	†Swarraton (Ventnor)	55	34	48·4	38·2	43·5	+ 4·3	26	11	6	2·84	+ 2·16	15·6	+ 4·3	28	+ 8
	Tunbridge Wells	54	35	48·0	38·6	43·5	+ 4·2	25	10	7	1·88	+ 1·22	16·7	+ 6·6	31	+ 12
	†Dungeness (Littlestone)	56	36	49·9	43·0	46·6	+ 4·8	32	0	7	1·56	+ 1·03	12·2	—	23	—
	Hastings	55	35	50·6	42·5	46·7	+ 5·0	33	0	6	1·01	+ 0·34	15·3	+ 2·4	28	+ 4
	Southampton	57	35	51·4	41·8	46·8	+ 5·2	34	1	6	2·51	+ 1·82	20·2	+ 9·3	37	+ 17
	†Portland Bill (Worthing) (Eastbourne)	56	42	51·4	45·4	48·5	+ 4·4	46	0	6	1·79	—	16·6	—	30	—
													15·8	+ 3·8	29	+ 7
6. SCOTLAND, W.	Laudale	50	32	46·2	36·4	41·5	+ 0·3	12	24	7	2·53	+ 0·43	*	*	*	*
	Poltalloch	*47*	*28*	*44·9*	*34·9*	*40·1*	*− 0·1*	*8*	*28*	*7*	*3·39*	*+ 2·14*	*	*	*	*
	Glasgow	47	34	45·1	37·5	41·5	+ 2·1	9	19	5	1·89	+ 0·99	0·0	− 3·3	0	− 7
	Rothesay	*48*	*33*	*46·0*	*37·7*	*43·0*	*+ 1·3*	*11*	*12*	*7*	*2·33*	*+ 1·23*	*	*	*	*
	Colmonell	*51*	*31*	*46·0*	*38·1*	*42·2*	*+ 1·3*	*18*	*11*	*7*	*1·48*	*+ 0·38*	*	*	*	*
	Dumfries	49	30	45·9	36·9	41·6	+ 2·5	11	22	6	1·01	+ 0·07	*	*	*	*
	Cally	50	28	45·5	38·0	41·9	+ 2·7	10	18	7	0·60	− 0·60	*	*	*	*
	Douglas, Isle of Man	52	34	47·5	39·6	43·7	+ 1·4	22	7	7	1·58	+ 0·51	1·8	− 7·8	4	− 15
7. ENGLAND, N.W.	Aspatria	50	35	45·4	38·6	42·1	+ 3·2	15	10	6	1·90	+ 1·01	0·9	—	2	—
	Newton Rigg	50	33	43·3	34·7	39·2	+ 1·5	4	28	7	2·14	+ 1·30	0·4	− 7·3	1	− 15
	Stonyhurst	51	31	44·8	36·5	40·8	+ 1·6	8	22	6	1·57	+ 0·58	0·8	− 5·4	2	− 11
	Blackpool	52	31	46·5	38·7	42·8	+ 2·7	19	9	5	0·99	+ 0·29	2·4	− 4·1	5	− 8
	Manchester, Prestwich	52	32	45·2	36·3	40·9	+ 1·6	9	23	6	1·07	+ 0·32	2·9	− 1·1	6	− 2
	†Liverpool Obs. (Hoylake)	53	28	46·4	36·6	41·7	+ 0·5	12	23	6	0·90	+ 0·34	5·7	—	11	—
	†Hawarden Bridge (Southport)	54	30	47·8	38·3	43·2	+ 1·5	24	10	7	0·66	+ 0·21	5·4	− 1·5	11	− 3
NORTH WALES	Llandudno	54	35	48·3	41·2	44·9	+ 1·8	24	2	6	1·15	+ 0·48	3·6	− 5·0	7	− 10
	†Holyhead (Aberdovey)	52	39	47·7	41·3	44·6	+ 0·8	21	2	6	1·09	+ 0·19	7·5	—	14	—
	Bettws-y-Coed (Aberystwyth)	53	31	46·7	38·1	42·6	− 0·4	21	11	7	3·09	—	0·6	—	1	—
													7·7	—	15	—
8. SOUTH WALES	Llangammarch Wells	52	33	46·6	36·3	41·7	+ 1·4	13	25	7	3·36	—	4·4	—	8	—
	Pembroke	53	40	50·3	42·6	46·6	+ 1·8	32	0	6	1·42	+ 0·49	3·4	− 6·9	6	− 13
	Cardiff	55	31	49·0	36·9	43·2	+ 1·5	30	14	7	3·34	+ 2·34	9·9	—	18	—
8. ENGLAND S.W.	Clifton	55	34	48·2	39·8	44·2	+ 2·6	25	6	6	3·05	+ 2·32	10·7	—	20	—
	†Shaftesbury (Marlborough)	53	32	46·8	38·1	42·6	+ 3·2	21	11	5	1·44	+ 0·69	10·2	+ 2·5	19	+ 5
	†Arlington (Newquay)	53	35	47·3	38·4	43·0	+ 1·8	22	10	7	2·91	+ 1·57	9·9	− 1·9	18	− 4
	Cullompton	55	32	49·3	36·6	43·2	+ 2·6	31	15	7	2·49	+ 1·67	6·9	− 2·0	13	− 4
	Plymouth	56	37	50·8	42·4	46·8	+ 2·9	34	0	7	1·94	+ 1·06	10·4	− 0·9	19	− 2
	Falmouth (Torquay)	56	39	50·4	44·4	47·5	+ 2·2	39	0	6	1·76	+ 0·49	12·4	− 0·3	23	− 1
													18·3	+ 6·1	33	+ 11
9. IRELAND, N. — Western part.	Malin Head	48	32	45·7	39·1	42·5	0·0	16	8	7	1·60	+ 0·86	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	51	38	47·9	40·9	44·5	+ 0·7	22	3	7	1·02	− 0·28	*	*	*	*
	Markree Castle	53	30	47·6	37·7	42·9	+ 2·5	24	12	7	1·52	+ 0·57	9·1	+ 0·9	18	+ 2
9. IRELAND, N. — Eastern part.	Armagh	53	33	46·2	36·6	41·6	+ 1·6	12	23	6	0·74	+ 0·09	8·4	− 0·6	17	− 1
	Donaghadee	50	32	46·3	36·9	41·8	− 0·3	12	22	5	0·41	− 0·31	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park)	54	35	47·4	39·7	43·7	+ 1·0	22	6	5	0·31	− 0·24	12·5	+ 0·4	24	+ 1
	Kilkenny	51	29	47·0	36·1	41·8	+ 0·1	14	26	6	0·57	− 0·17	*	*	*	*
	Waterford	52	31	48·7	36·7	42·9	+ 0·8	29	15	5	0·41	− 0·56	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	52	30	47·1	36·1	41·8	+ 1·1	14	26	7	0·98	+ 0·30	9·7	− 0·9	19	− 2
	Foynes	46	33	43·7	37·5	40·7	− 2·1	5	18	7	1·56	+ 0·56	*	*	*	*
	Cahir	*48*	*30*	*46·2*	*34·1*	*40·4*	*− 2·0*	*12*	*32*	*7*	*0·88*	—	*	*	*	*
	Killarney	53	31	49·4	38·8	44·3	+ 0·3	30	9	7	1·78	+ 0·20	*	*	*	*
	Valencia	53	35	50·3	40·4	45·6	− 0·2	32	4	7	1·34	− 0·06	12·4	+ 2·4	23	+ 5
	†Roches Point (Ballinacurra)	53	36	49·0	40·4	44·9	+ 0·1	27	4	6	0·50	− 0·69	16·4	—	30	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	55	43	52·0	45·6	48·9	+ 1·2	48	0	7	1·25	+ 0·30	19·0	+ 7·0	35	+ 13
	†Jersey, St. Aubins (St. Heliers)	58	43	52·4	45·4	49·0	+ 4·0	49	0	7	1·29	+ 0·39	11·4	− 3·1	20	− 6
	Guernsey	57	42	51·8	43·5	47·8	+ 2·3	41	0	7	1·55	+ 0·53	14·5	+ 4·3	26	+ 8

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

Additional Sunshine Totals for the week: Ramsgate, 17·3 hrs., 32 %; Brighton, 18·0 hrs. (+ 6·5), 33 % (+ 12 %); Bournemouth, 22·6 hrs., 41 %; Bognor, 20·0 hrs., 36 %; Rhyl, 7·8 hrs., 15 %; Tenby, 5·4 hrs. (− 5·3), 10 % (− 10 %).

Values printed in italic type will not be used for the calculation of "District Means" until the commencement of 1908.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·6
	Crathes	4	13	37·3	41·3
	Balmoral	7	17	—	—
	Marchmont ..	4	26	37·0	—
2.	Cockle Park	4	27	38·5	41·6
	York	—	—	40·9	44·6
	Hull	2	28	39·6	45·9
	Lincoln	—	—		
3.	Lowestoft	1	30	41·6	45·8
	Cambridge	2	26	41·7	46·0
	Dunmow				
	Clacton-on-Sea ..	3	28	45·0	48·5

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	2	28	40·5	42·2
	Sheffield	3	29	40·1	44·9
	— — ..				
	Birmingham	[1]	[30]	41·7	46·3
	Nottingham	3	27	39·8	43·5
	— — ..				
5.	Kew	2	26	42·6	46·9
	Canterbury	1	30	44·2	48·1
	Portsmouth	0	33	45·5	49·0
	Wisley	0	31	43·1	46·7
6.	Glasgow	2	27	—	—
	Rothesay	—	—	—	43·0
	Dumfries	3	24	—	—
	Douglas	1	27	—	—

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Newton Rigg ..	2	29	40·5	42·8
	Southport	2	25	39·9	43·1
	Manchester City ..	0	32	40·8	45·3
	Bettws-y-Coed ..	1	30	41·7	45·0
	— — ..				
8.	Llangammarch Wells ..	3	27	43·3	47·0
	— — ..				
	Bath	—	—	44·1	—
	Plymouth	2	30	45·4	—
9.	Armagh	1	30	40·5	44·5
	Markree Castle ..	3	25	—	—
10.	Dublin, Trin. Coll. ..	1	29	41·4	45·1
11.	Guernsey, Brooklyn	0	32	47·6	50·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·7
	Kirkwall	45	42	43·2
	Wick	[47]	[46]	[46·2]
SCOTLAND, E.	Cromarty	42	39	40·7
	Pennan Bay	46	43	44·5
	Aberdeen, Cove Bay ..	42	40	40·9
ENGLAND, N.E.	Burnmouth, Berwick ..	45	42	43·9
	Scarborough	50	47	48·9
ENGLAND, E.	Shipwash Lightship ..	49	47	47·5
	Margate	47	44	46·0
ENGLAND, S.E.	Eastbourne‡	50	47	48·7

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	48	47	47·6
	Ballantrae	45	43	44·1
ENGLAND, N.W.	Port Erin	51	50	50·1
ENGLAND, S.W.	Newquay	49	49	49·0
	Plymouth‡	50	49	49·9
	Salcombe	51	48	50·1
IRELAND, N.W.	Sheephaven	48	46	46·4
	Ballyglass	47	43	46·1
IRELAND, S.W.	Cleggan	46	45	45·5
	Seafield	48	45	47·2
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

OBSERVATIONS IN THE UPPER AIR.

Ballon-sonde **Ascent. Pyrton Hill, Dec. 5th, 1907. 3.40 p.m.**

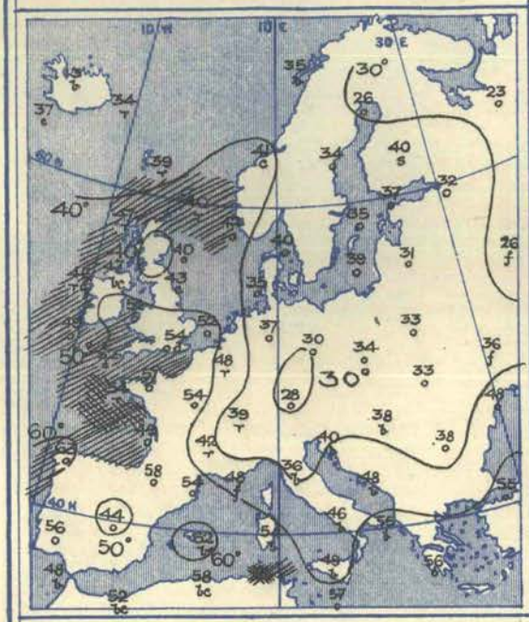
Wind, W.S.W., 10 m.p.h. Temp. 4° 6 C. Baro. 726 m.m. Sky clear.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·15	4·6	2·50	- 18·0	7·00	- 44·0	10·00	- 49·0
0·60	- 1·8	3·00	- 19·0	7·75	- 48·0	11·00	- 50·0
1·00	- 6·0	4·00	- 25·0	8·00	- 48·0	12·00	- 50·0
1·50	- 10·0	5·00	- 34·0	9·00	- 48·0	12·30	- 50·0
2·00	- 16·0	6·00	- 37·0				

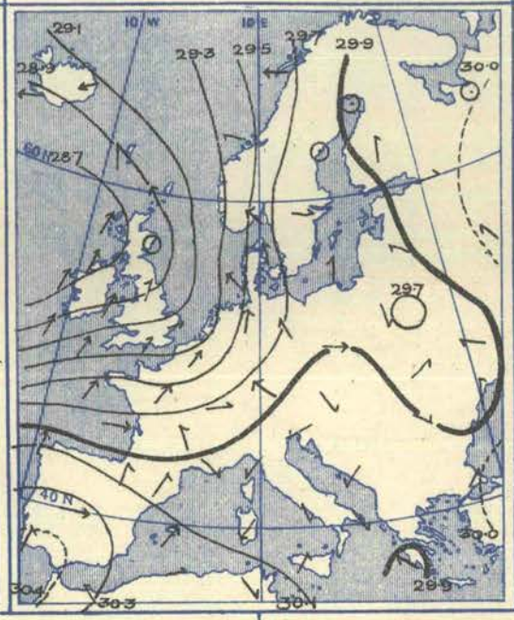
Trace duplicated from 500 to 1800 metres with temperature difference of 6 C. at 1200 metres. The "ascent" and "descent" traces cannot be distinguished from one another.

Sunday, 8th December, 1907.

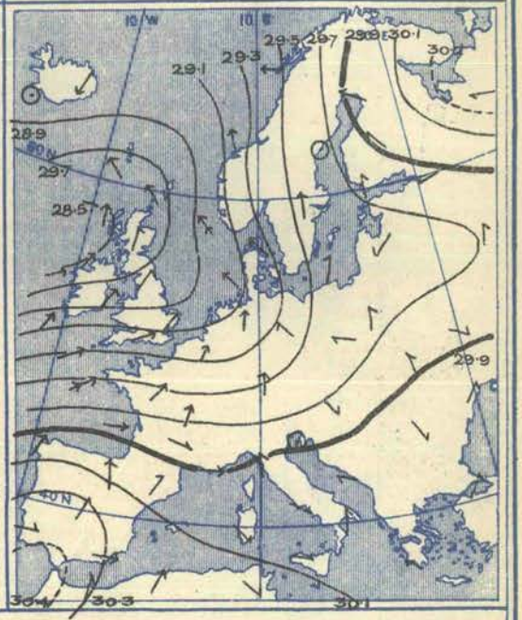
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over most of the Mediterranean region; cloudy, or quite overcast elsewhere, with rain at many of our own stations, over the Low Countries as well as in various parts of France, and at Oporto and Seydisfjord. Rain falling later in most districts both in these Islands and on the Continent; amounts rather heavy in places, and as much as 1·6 in. at Biarritz.

Temperature risen quickly over these Islands, France, and Russia. Readings in morning above 50° in various parts of England and Ireland and in most parts of southern Europe, and above 60° at Corunna and Palma. Below 32° at Munich and in the north-east of our area, as well as in Iceland. Maxima during day above 55° at many of our own stations and as high as 58° at Eastbourne and Jersey. Thermometer rising to at least 70° on the coast of Algeria, and to 60° or rather higher in many parts of southern Europe.

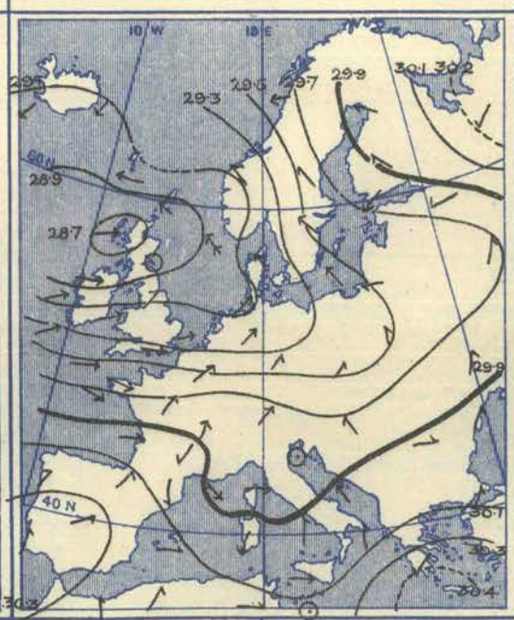
Wind in morning strong to a gale from the South-Westward on our western and southern coasts and the north of France, and fresh or strong from the South-Eastward beyond the North Sea and across from Norway to Iceland. A moderate to fresh or strong Southerly breeze prevailing on the western coast of the Spanish Peninsula and rather variable breezes of no great force elsewhere. Increasing to a gale from the South-Eastward during day or becoming high from that quarter over Denmark and southern Norway.

Barometer in morning ranging from above 30·4 ins. over the south-west of Spain to less than 28·7 ins. in a large depression having its minimum some distance to the westward of the Hebrides. A smaller depression shown over Poland. Disturbance spreading eastwards over our northern districts later in day, and barometer falling to 28·40 ins. at Castlebay by six p.m. Pressure increasing considerably over northern Russia and gradient becoming steeper over the northern half of our area generally, as well as over France and Germany.

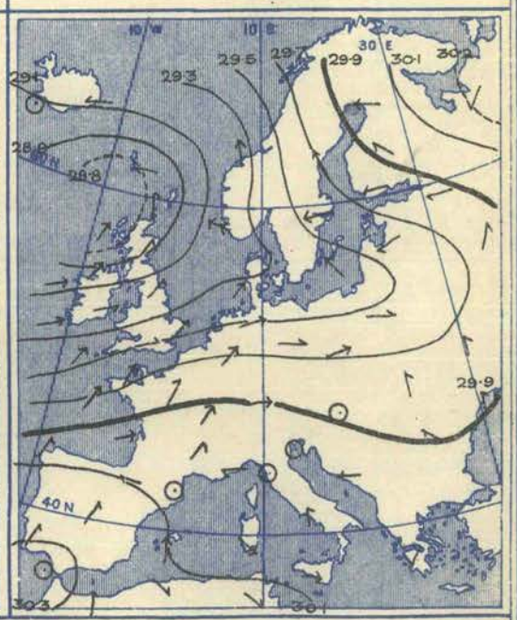
Monday, 9th December, 1907.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria, the south of Spain, and in various parts of France and England. Cloudy or quite overcast over our area generally, with rain in different localities and snow in Iceland. Rain experienced later in most parts of our area except the Spanish Peninsula; more than 0·5 in. in some isolated places on the Continent, and as much as 1·3 in. at Oporto.

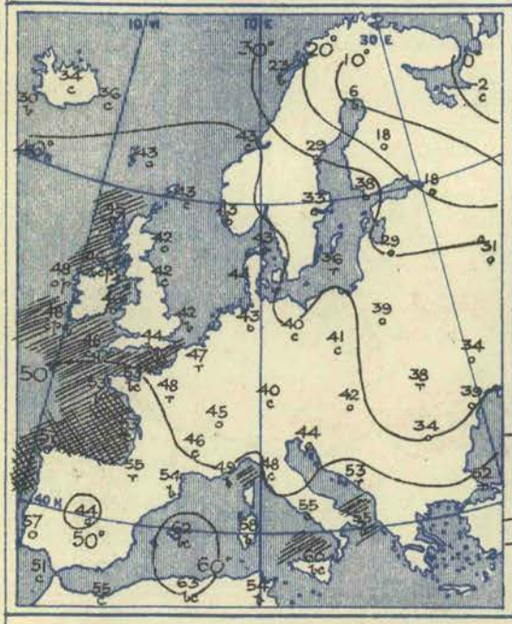
Temperature fallen at most of our own stations, risen in France, Germany, the Low Countries, and Denmark. Readings in morning ranging from about 60° at some stations in the Mediterranean region to much below the freezing point in the north-east of our area. Thermometer rising to above 50° during day at many of our southern and south-eastern stations, to about 60° at a few stations in the extreme south of Europe, and to 70° or rather above on the coast of Algeria.

Wind in morning showing a very extensive cyclonic circulation around Scotland; Westerly current strong to a gale on our western and southern coasts, and that from the South-Eastward equally strong over the south and west of Norway. A separate cyclonic movement prevailing over the Gulf of Genoa and its vicinity. No change of importance during day.

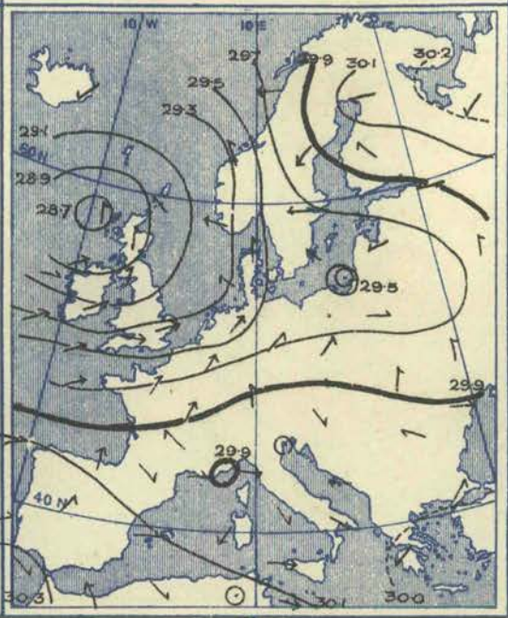
Barometer in morning above 30·3 ins. in the extreme south-west of our area and above 30·2 ins. in the far north-east. Below 29·8 ins. in a depression centred over the Gulf of Genoa, and less than 28·7 ins. in a much more important system over the Hebrides and their vicinity. No great modification occurring in the general distribution of pressure during day; rising over Great Britain, falling in Ireland. Northern depression apparently becoming rather less deep.

Tuesday, 10th December, 1907.

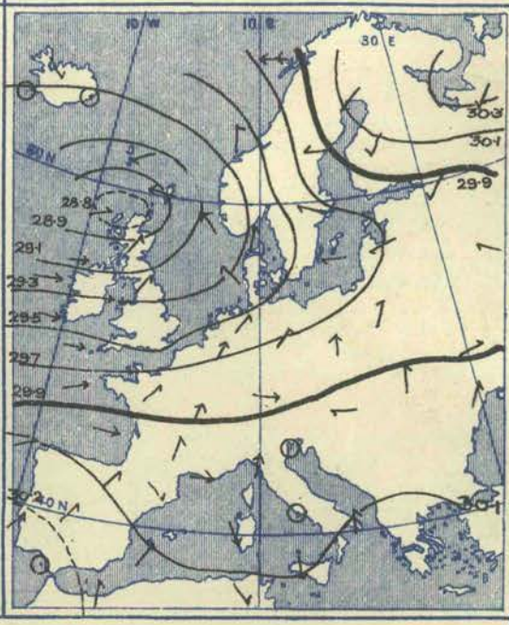
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria and in a few other places locally, but overcast as a whole, with showers or steady rain at several of our western and south-western stations and in a few parts of southern Europe, and rain or snow in different parts of Scandinavia. Rain experienced in most regions later—about an inch at Cherbourg and Riga, and 1·2 in. at Biarritz.

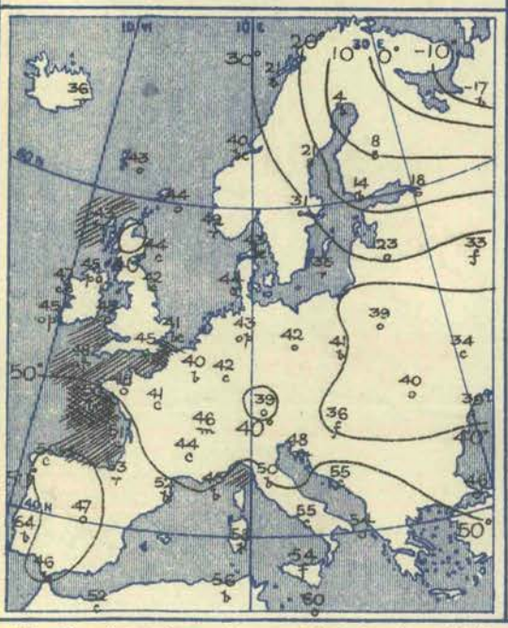
Temperature fallen in the north-east of our area, risen in most other regions. Readings in morning ranging from about 60° at some stations in the far south to about 40° over central Europe, and to much below 32° in the north-east; lowest value −2° at Archangel. Maxima during day about 50° in the south of this country and the adjacent portion of the Continent, nearly 60° in southern Italy, and about 70° in Algeria and the Balearic Islands. Frost continuing throughout the day over the northern halves of Russia and Scandinavia.

Wind in morning circulating cyclonically over these Islands and western Europe generally; Westerly current fresh or strong to a gale on our western and southern coasts, and strong South-Easterly to Easterly winds blowing in Scandinavia. Light anticyclonic airs prevailing both in the north-east and south-west of our area. Scarcely any change later; some increase in force taking place in various parts of the Mediterranean.

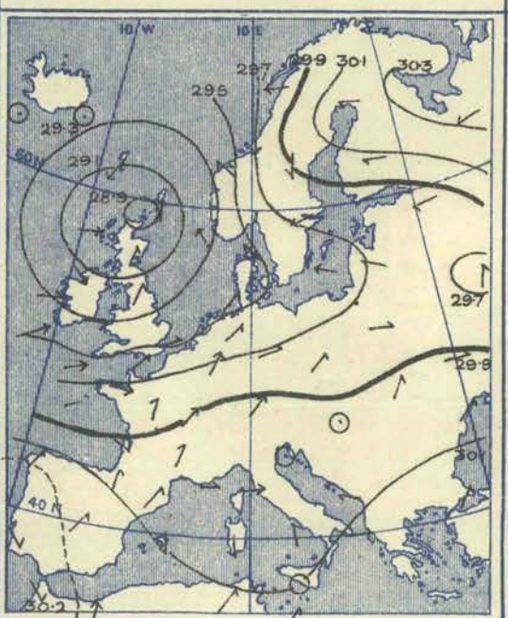
Barometer in morning above 30·2 ins. over the White Sea and rather higher over the south-west of Spain. Below 28·8 ins. in a deep depression having its minimum near the Hebrides, and relatively low over central Russia and the Baltic. Depression moving slowly north-eastwards during day, and little modification occurring in the general distribution. Pressure increasing slowly over our Islands, and disturbance in north apparently beginning to decrease in depth.

Wednesday, 11th December, 1907.

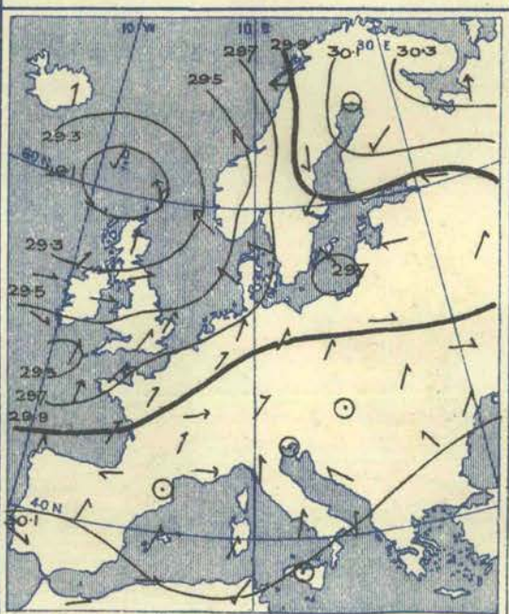
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying a good deal; fine at most stations on the shores of the Mediterranean, cloudy or overcast in most other regions, with rain at Biarritz, in many parts of these Islands and the adjacent portion of the Continent, and rain or snow in different parts of Scandinavia and Finland. Considerable amounts of rain experienced later over all the western countries and heavy snow at Riga. Thunderstorms occurring at Portland Bill and on the west coast of France.

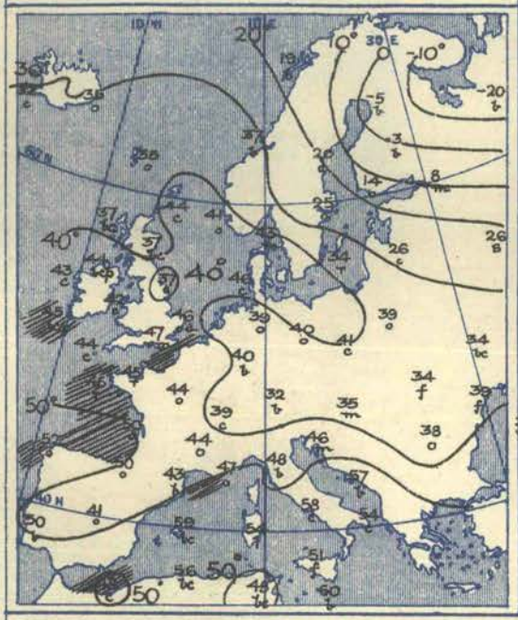
Temperature fallen in most localities. Readings in morning ranging from about 60° at a few stations in the south of our area to about 40° in many parts of these Islands and central Europe, and to much below 32° in the north and north-east of our area. Lowest value −17° at Archangel. Maxima during day as high as 70° on the coast of Algeria and only slightly lower in Sicily and Malta. Thermometer failing to reach 50° over a large part of our Islands and in the central countries, and continuing below the freezing point in the north and north-east.

Wind in morning showing a vast cyclonic circulation over the western and north-western countries; Westerly current fresh to strong on our western and southern coasts and the Bay of Biscay, and that from East strong on the eastern side of the North Sea. Light variable airs prevailing over the Mediterranean and southern Europe. Not much change later as a whole, but backing to the Southward by evening at the mouth of the Channel.

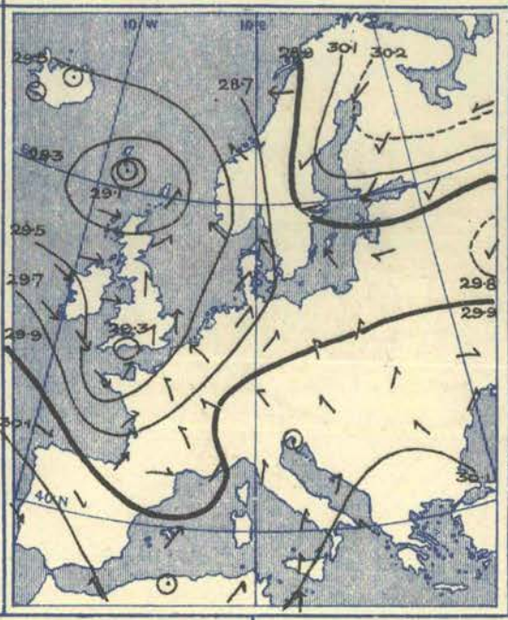
Barometer in morning above 30·3 ins. in the extreme north-east of our area, and nearly as high in the far south-west. Below 29·7 ins. in a depression over central Russia, and less than 28·9 ins. in a deeper system having its centre off the north of Scotland. Relatively low in a small minimum near Cape Sicié. Northern depression becoming less deep during day, but another system approaching the mouth of the English Channel and moving eastwards during night. A separate minimum appearing over the Baltic.

Thursday, 12th December, 1907.

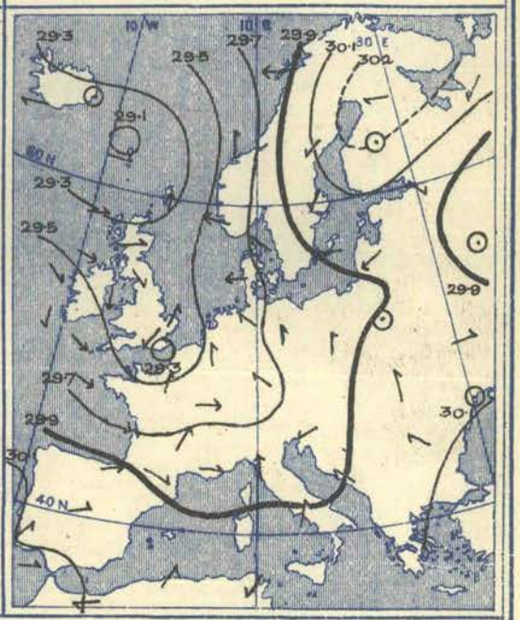
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning showery on our north-west coasts and very rainy over most of England and the adjacent portion of the Continent. Fine and bright in many southern and some northern regions, but rain or snow falling in the south of Scandinavia, and rain in the north of Italy and at Oporto. Rather heavy rain later over the south of England and many parts of France, and considerable amounts in northern Italy, as well as at Oporto.

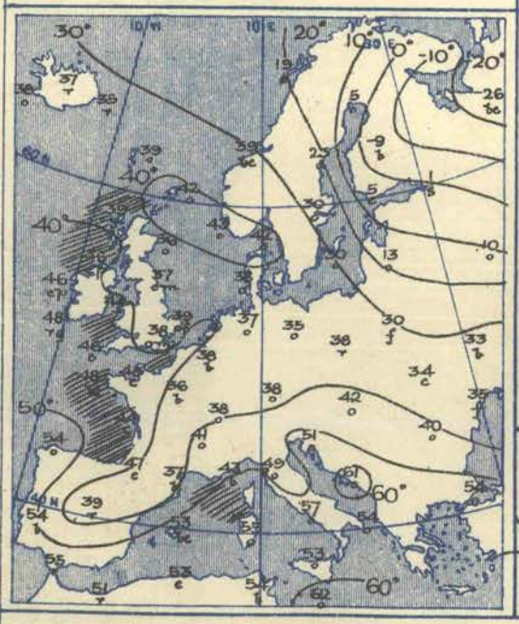
Temperature risen in a few places, but fallen generally. Readings in morning below 40° in several parts of our Islands and central Europe, but increasing to above 50° at many stations in the south of our area, and to 60° at Palermo. Severe frost prevalent in northern Russia and Scandinavia, thermometer as low as -20° at Archangel. Maxima during day again as high as 70° on the coast of Algeria and only a little lower in Sicily and at Malta. Thermometer not rising above 45° over a large portion of central Europe and at many of our own stations, and remaining much below the freezing point over Russia.

Wind in morning showing at least two separate cyclonic circulations over our Islands and their neighbourhood. Northerly current brisk on our western coasts, and that from the Southward fresh or strong on our south-east coast. Strong Easterly breezes continuing in Norway and the south of Sweden. Light winds from no regular direction prevailing over the south of our area. Northerly and North-Westerly winds spreading over nearly the whole of England by night and blowing freshly or strongly. Wind backing towards South in the far north-west and increasing considerably in strength.

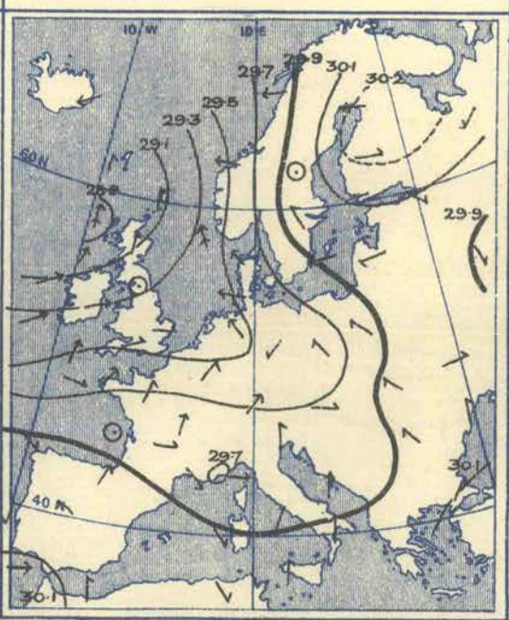
Barometer in morning above 30·2 ins. in the far north-east and as high as 30·15 ins. at Lisbon. Below 29·8 ins. in a depression near Moscow, less than 29·3 ins. in a small minimum over southern England, and below 29·1 ins. in a disturbance still lying to the northward of Scotland. English depression moving eastwards during day and north-eastwards during the night. A new and very brisk decrease of pressure taking place on our extreme north-west coasts during the night and early morning.

Friday, 13th December, 1907.

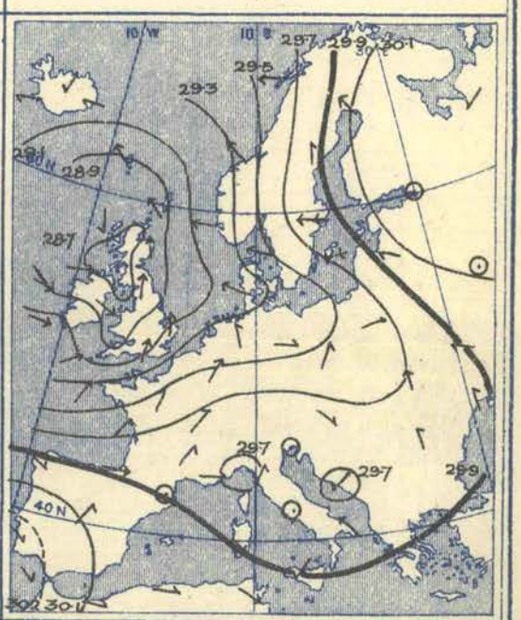
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in a few scattered localities, but very cloudy or quite overcast generally, with rain over our western and north-western districts and in some parts of France and central Europe. Rain falling very generally later over these Islands and in most regions of the Continent; more than an inch in the east of Scotland, about half an inch in many other places, and as much as 2·6 ins. at Naples.

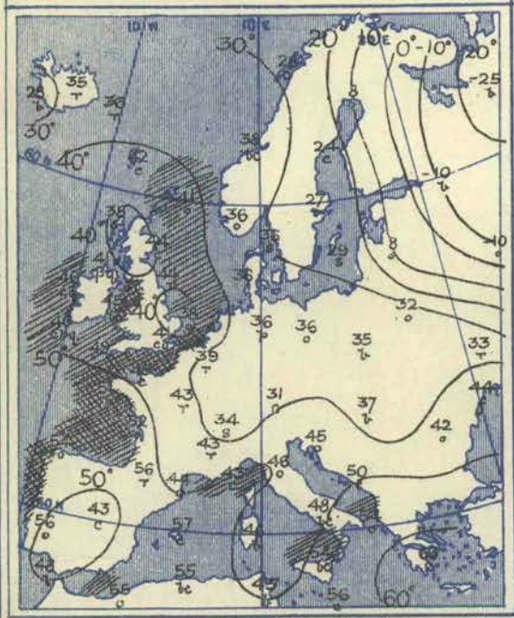
Temperature changed rather irregularly as a whole, but fallen over most of Russia, as well as in the Baltic region. Readings in morning as low as -26° at Archangel, -9° at Kuopio and much below the freezing point in the north and north-east of our area generally; about 40° in some parts of Germany and Austria, and above 50° over the greater portion of the Mediterranean. Highest values 61° at Lesina and 62° at Malta. Maxima during day as high as 50° at some of our own stations and over most of France, nearly 60° in various Spanish and Italian districts, and 70° at Malta and Oran.

Wind in morning strong to a gale from the Southward on our north-west coasts. Mainly from the Westward, moderate to fresh, over the southern half of the Kingdom, and strong to a gale from between South and South-East on the eastern shores of the North Sea. Veering towards North-West later and increasing greatly in force over Ireland and Wales, and backing towards South and increasing in force over England. Wind becoming more Easterly over the south of Scandinavia and increasing to a gale in several places.

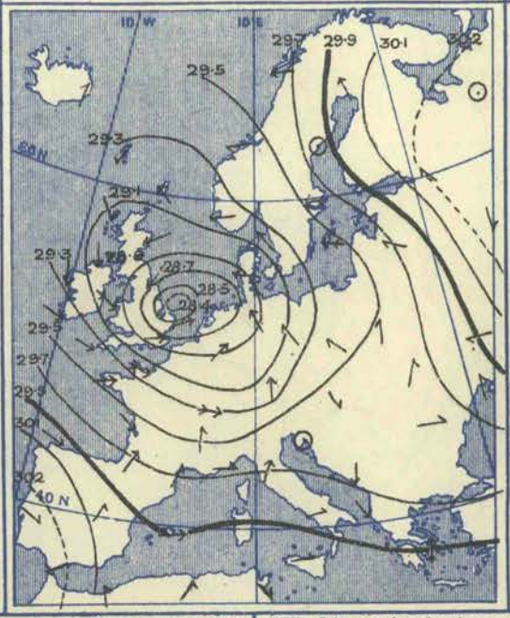
Barometer in morning above 30·2 ins. in the north-east of our area. Below 28·9 ins. in a depression having its centre some distance to the westward of the Hebrides, and relatively low in a kind of "V" disturbance extending thence to central Europe. Main depression travelling south-eastwards during day and gradients increasing quickly over Ireland, England, the Channel, and the Bay of Biscay, as well as in Scandinavia. Pressure increasing in Portugal and high pressure system in the north-east maintaining its position.

Saturday, 14th December, 1907.

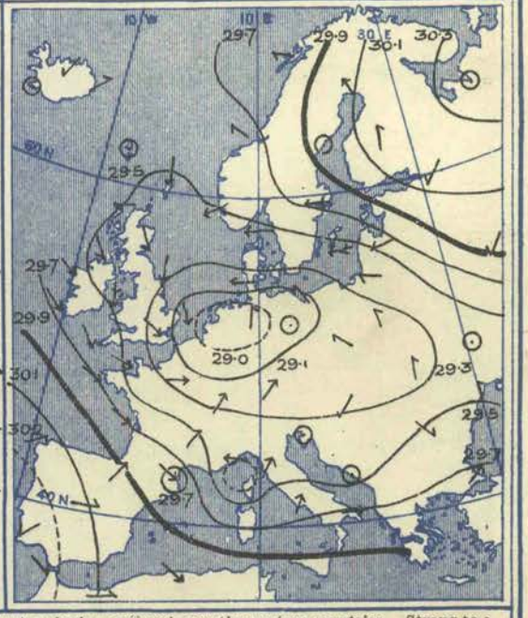
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very squally and rough over our Islands and a very large portion of the Continent, with occasional showers of rain. Fine and bright over Algeria, some parts of Poland, and in the north of Russia. Showers and squalls experienced later very generally over these Islands and the nearer parts of the Continent, and various amounts of rain or snow in most other regions. Largest measurements 0·87 in. at Bilbao and 1·42 in. at Belfort. Thunderstorms occurring at Jersey and Paris.

Temperature fallen generally, risen over France and Spain. Readings in morning above 50° in some localities in the far south and on the coast of Brittany, about 40° over much of Great Britain and Ireland, and many degrees below 32° in the north-east and north of our area. Lowest readings −10° at Moscow and St. Petersburg, and −25° at Archangel. Maxima during day below 45° in most parts of England and Scotland, as well as over a large portion of central Europe. Thermometer rising to above 60° in several southern localities and to 70° at Oran. Frost at night in some parts of Great Britain.

Wind in morning showing a vast cyclonic movement over the western countries. Strong to a strong gale from the North-Westward over our western and more southern districts and the Channel, and about as strong from the Eastward beyond the North Sea. Mainly Westerly to Northerly and moderate over the Mediterranean. Gale continuing until after 6 p.m. on some parts of our western and southern coasts and in the south of Scandinavia, and wind increasing in force from various points over the Mediterranean region.

Barometer in morning above 30·2 ins. both in the south-west and north-east of our area, relatively low in the south-east, and as low as about 28·3 ins. in a very large and deep cyclonic system having its centre not far to the east of Spurn Head. Gradients steep generally, especially over England, the Channel, and the north of France. Depression travelling east-south-eastwards during day and decreasing considerably in depth; lowest reading at 6 p.m. apparently about 28·9 ins. Pressure increasing with unusual rapidity over the east of England. Reading at Spurn Head rising from 28·39 ins. to 29·23 ins. between 8 a.m. and 6 p.m. A separate disturbance forming over the Gulf of Genoa.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 396).

Date of Observation.	Station and its Height above M.S.L.		Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,600 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.											
December 9th, 2.45 p.m. to 3.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		46°	43°	[37°]					One kite, 45 sq. ft.; 2,600 ft. wire. Max. height, 2,700 ft. Temp. 39°. Wind velocity, 52 miles per hr. Very gusty, with showers. Rain at times apparently falling from a clear sky.
		Humidity		85%	90%	[100%]					
		Wind Velocity, m. per hr.		SW, 20	WSW, 45	[W by S, 55]					
December 11th, 10.15 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		42°	39°	33°	25°				One kite, 45 sq. ft.; 7,400 ft. wire. Sky clear but getting overcast in W and NW with cirro stratus. Temp. at 800 ft. 42°, wind 30 miles per hr. Wind steady above 1,200 ft.
		Humidity		90%	85%	80%	60%				
		Wind Velocity, m. per hr.		SW, 14	SW by W, 35	W by S, 40	W, 43				
December 11th, 2.37 p.m. to 3.40 p.m.	Glossop Moor, 1,100 ft.	Temperature F.		40°	36°	31°					One kite, 77 sq. ft. Max. wire, 2,000 ft. Max. height, 3,530 ft., with minimum temp. 30° F. Overcast at start, amount of cloud at finish =9.
		Humidity		93%	93%	95%					
		Wind Velocity, m. per hr.		SW, —	W, 29	W, 36					

63, Victoria Street, London, S.W. *December 18th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 51. FIFTY-FIRST WEEK, ENDING SATURDAY, DECEMBER 21ST, 1907. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather.—Over the eastern half of England and in a few localities towards the west a considerable part of the week was fair, although not at all bright, but in the western and northern districts generally the conditions were very unsettled, a measurable quantity of rain falling almost every day.

Temperature exceeded the average, to the extent of more than 4° generally, and more than 6° in the Midland Counties. The highest of the maxima occurred early in the week in Scotland and some parts of Ireland, but towards the end over England. They ranged from 58° in Scotland N. (at Wick), 57° in the Midland Counties, and 56° in England N.W. to 52° in Scotland E. The lowest of the minima were nearly all recorded on the 15th or 16th, and ranged from 18° in Scotland E. (at Balmoral) to 31° in Ireland S. and to 39° in the Channel Islands. The lowest readings registered on the grass were 12° at Balmoral, 19° at Llangammarch Wells, 20° at Cambridge and Newton Rigg, 21° at Dumfries, 22° at Glasgow, and 23° at Hull, and in some parts of Kent and Surrey.

Mean Temperature of the Sea.—At several stations the water differed little in temperature from the week preceding, but at Kirkwall it was a degree warmer, and at Margate and Eastbourne about 1½° colder. The actual values ranged from 50°·5 at Salcombe, 49°·9 at Plymouth, and 49°·4 at Port Erin and Scarborough to 41°·2 at Aberdeen and 40°·4 at Cromarty.

Rainfall exceeded the normal in Ireland, the east and west of Scotland, and the north-west of England, but was less elsewhere. Falls of about half an inch or more were rather common in the west and north, and on the 20th Dumfries measured 1·01 in.

Bright Sunshine was deficient very generally, but just equalled the average in England E. and exceeded it in England S. The percentage of the possible duration ranged from 25 in England S., and 18 in England E. and the English Channel to 3 in Ireland S. and to 2 in Scotland W. At Fort Augustus and York the week was sunless, and at Valencia and Aberdeen the record was only 0·5 hour.

Barometer and Wind.—During the greater part of the period the distribution of pressure underwent very little variation, depressions some distance away on the Atlantic and relatively high pressures over central and northern Europe bringing about a Southerly type soon after the week commenced. During the prevalence of these conditions, which continued with very little interruption until late on Friday, the Southerly wind current blew freshly or strongly at times on our western coasts, but as a whole it had little force. By Saturday morning the central space of a large shallow depression covered Scotland and the northern parts of Ireland and England, and to the south of that region the wind blew a moderate to fresh breeze from the Westward. This disturbance travelled away quickly to beyond the North Sea, and by the end of the period a fresh fall of the barometer had set in on our western coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 396.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Heavy	Moderate	Light	Light	Light	Heavy	Heavy	Moderate	Heavy	Heavy	Light
	Sunshine ...	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Moderate	Scanty	Scanty	Very scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907. 3 weeks from Dec. 1st.	Warmth ...	0*0	1*0	1*1	2*0	2*0	3*0	1*1	2*1	1*0	2*1	1*1	2*0
	Rainfall ...	1*0	3*0	1*0	2*1	2*1	2*1	2*0	3*0	2*0	2*0	1*0	2*1
	Sunshine ...	1*0	1*1	1*2	2*0	1*1	2*0	0*2	1*1	1*1	1*1	0*1	0*0

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5*7	5*6	3*6	2*5	2*4	2*5	5*6	2*5	0*7	4*4	2*6	1*7
	Rainfall ...	4*2	4*7	2*6	3*5	2*7	2*8	3*5	5*7	2*5	3*5	1*8	3*7
	Sunshine ...	1*5	9*0	10*1	4*2	6*1	5*1	5*4	6*1	4*3	3*4	3*4	2*4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*4	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	2*2	5*6	6*3	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2*9	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	7*2	3*2	3*5	1*5	5*4	4*5	5*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	2*7	1*7	2*3	0*5	2*6	3*5	2*6	2*6	1*6	3*3	2*5	2*7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	7*2	5*2	9*3	8*0	6*1	7*0	6*3	6*3	4*0	6*3	4*4	9*1
	Rainfall ...	3*8	3*6	3*5	4*7	5*5	3*5	2*6	3*4	5*4	1*5	5*3	4*4
	Sunshine ...	6*1	6*3	5*3	4*5	5*4	5*6	3*3	4*1	5*4	4*5	4*6	2*3

6680 370 Wy. & S., Ltd. 12—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (51st)—December 15th to December 21st, 1907.

DISTRICTS. (See p. 403.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	58	24	45·6	36·7	41·3	+ 2·6	10	+ 2	22	- 9	7	+ 2	1·06	-0·14	2	- 2	5	- 4
Eastern																		
1. SCOTLAND, EAST	52	18	44·7	35·5	40·3	+ 3·0	8	+ 1	26	- 15	6	+ 3	1·05	+0·48	3	- 3	7	- 7
2. ENGLAND, N.E.	55	30	46·8	38·1	42·7	+ 4·2	21	+ 13	11	- 22	4	0	0·38	-0·11	4	- 4	9	- 7
3. ENGLAND, EAST	55	27	48·1	38·9	43·7	+ 5·6	25	+ 17	9	- 29	3	0	0·06	-0·31	10	0	18	0
4. MIDLAND COUNTIES	57	28	48·6	39·2	44·1	+ 6·1	26	+ 17	8	- 31	4	+ 1	0·18	-0·28	5	- 2	10	- 5
5. ENGLAND, SOUTH	55	28	49·2	41·1	45·3	+ 5·1	27	+ 13	3	- 24	4	+ 1	0·12	-0·36	13	+ 3	25	+ 6
Western																		
6. SCOTLAND, WEST	53	27	47·4	39·9	43·8	+ 3·8	21	+ 10	6	- 20	6	+ 2	1·96	+0·86	1	- 5	2	-10
7. ENGLAND, N.W.	56	28	48·7	41·0	45·0	+ 5·3	25	+ 14	3	- 24	5	+ 2	0·97	+0·32	5	- 2	9	- 5
8. ENGLAND, S.W.	55	28	50·6	42·7	46·9	+ 5·0	34	+ 16	0	- 18	6	+ 2	0·56	-0·35	6	- 4	11	- 8
9. IRELAND, NORTH	54	29	49·3	41·5	45·5	+ 4·6	27	+ 14	1	- 21	7	+ 2	1·51	+0·70	1	- 7	3	-13
10. IRELAND, SOUTH	55	31	51·6	42·8	47·4	+ 4·7	38	+ 16	0	- 17	7	+ 3	1·73	+0·72	1	- 9	3	-17
11. ENGLISH CHANNEL	54	39	51·8	45·4	48·7	+ 1·7	47	+ 17	0	- 5	3	- 2	0·17	-0·57	10	- 3	18	- 5

THE SEASON (**Winter**). Aggregates, &c., for the Period of 3 Weeks, December 1st to December 21st, 1907.

0. SCOTLAND, NORTH	58	22	*	*	*	*	20	- 7	73	- 15	19	+ 3	4·81	+0·65	13	0	10	0
Eastern																		
1. SCOTLAND, EAST	52	18	*	*	*	*	12	- 12	92	- 21	15	+ 2	3·39	+1·36	22	+ 1	16	+ 1
2. ENGLAND, N.E...	56	25	*	*	*	*	44	+ 16	68	- 21	15	+ 4	2·22	+0·60	23	- 3	15	- 2
3. ENGLAND, EAST	58	27	*	*	*	*	66	+ 35	49	- 53	14	+ 2	2·23	+0·81	41	+ 12	26	+ 7
4. MIDLAND COUNTIES.. ..	57	26	*	*	*	*	60	+ 27	56	- 50	16	+ 5	3·02	+1·42	28	+ 3	18	+ 2
5. ENGLAND, SOUTH	57	27	*	*	*	*	87	+ 37	18	- 53	15	+ 3	3·17	+1·38	45	+ 14	28	+ 9
Western																		
6. SCOTLAND, WEST	53	25	*	*	*	*	40	+ 2	47	- 22	19	+ 5	5·60	+1·90	11	- 10	7	- 6
7. ENGLAND, N.W...	56	26	*	*	*	*	57	+ 18	41	- 29	17	+ 4	4·00	+1·66	21	- 1	14	- 1
8. ENGLAND, SW	56	23	*	*	*	*	90	+ 27	20	- 29	19	+ 5	5·31	+2·18	28	- 3	17	- 2
9. IRELAND, NORTH	54	27	*	*	*	*	59	+ 17	41	- 23	19	+ 3	3·85	+1·25	25	- 2	16	- 1
10. IRELAND, SOUTH	56	24	*	*	*	*	79	+ 19	43	- 5	19	+ 5	4·19	+1·14	26	- 7	16	- 4
11. ENGLISH CHANNEL	58	39	*	*	*	*	136	+ 35	0	- 12	16	+ 1	2·83	+0·10	41	+ 2	24	+ 1

THE YEAR.—Aggregates, &c., for the period of 51 Weeks, December 30th, 1906, to December 21st, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1871	-234	701	- 61	264	+22	50·32	-0·85	1112	+ 7	25	0
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2233	-114	804	- 81	208	+ 9	31·65	+1·49	1302	- 18	30	0
2. ENGLAND, N.E.	82	15	*	*	*	*	2635	+ 1	640	- 9	192	+11	24·09	-0·28	1477	+ 38	34	+ 1
3. ENGLAND, EAST	81	10	*	*	*	*	3041	+ 2	606	-117	179	+ 4	21·13	-2·75	1566	- 2	36	0
4. MIDLAND COUNTIES.. ..	82	10	*	*	*	*	2796	-157	672	- 85	191	+18	28·40	+2·71	1395	+ 1	32	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3194	-123	479	- 40	176	+ 8	26·32	-0·07	1628	+ 41	37	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2426	-147	533	- 42	225	+16	50·98	+3·92	1243	-111	28	- 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2655	-159	520	+ 2	219	+26	36·53	+2·43	1360	- 16	31	0
8. ENGLAND, S.W.	82	5	*	*	*	*	2945	-231	442	+ 41	219	+26	40·67	+2·93	1515	- 36	35	- 1
9 IRELAND, NORTH	81	16	*	*	*	*	2521	-170	396	- 84	247	+19	40·21	+2·72	1214	- 59	28	- 1
10. IRELAND, SOUTH	85	11	*	*	*	*	3038	- 93	358	- 9	242	+39	37·69	-1·46	1321	-116	30	- 3
11 ENGLISH CHANNEL	81	21	*	*	*	*	3709	- 55	96	- 29	192	-15	29·51	-2·38	1757	-127	40	- 3

† At districts Nos. 0, 1, and 6, 20 years.

December 15-21, 1907.			Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
					Mean for the Week.			Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
Districts.		Names of Stations.	Highest observed.	Lowest observed.	Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
			°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Islands.	†Sumburgh Head (Deerness) ..	48	35	44·4	38·3	41·5	+ 1·4	7	16	7	0·72	− 0·32	2·9	− 2·8	7	− 7
		Stornoway	51	29	47·1	37·6	42·5	+ 2·8	22	12	7	1·62	+ 1·31	0·9	− 4·4	2	− 10
	Mainland.	Wick	58	30	48·9	36·3	42·9	+ 3·9	30	16	7	0·39	− 0·28	*	*	*	*
		†Lairg (Strathpeffer)	49	25	43·5	33·7	38·8	+ 3·5	4	32	7	1·03	+ 0·20	4·0	− 2·7	9	− 6
		Glencarron	52	24	44·2	36·0	40·3	+ 3·3	6	24	6	1·60	− 0·77	*	*	*	*
		Fort Augustus	52	25	44·8	36·9	41·0	+ 2·6	8	21	5	0·52	− 0·79	0·0	− 2·4	0	− 5
		Fort William	54	24	46·2	37·8	42·2	+ 2·2	19	12	7	1·54	− 0·70	*	*	*	*
		(West Linton)												4·8	—	10	—
1. SCOTLAND, E.		Nairn	52	25	45·4	33·3	39·6	+ 2·1	10	35	5	0·64	+ 0·18	8·6	—	8	—
		Aberdeen	50	35	46·3	38·3	42·5	+ 4·3	19	10	5	0·95	+ 0·28	0·5	− 7·9	1	− 18
		†Balmoral (Crathes) ..	48	18	40·1	30·0	35·3	+ 0·5	0	47	6	0·78	+ 0·03	2·2	—	5	—
		†Crieff (Balruddery) ..	48	27	43·3	36·6	40·1	+ 2·5	4	21	7	1·86	+ 0·89	4·1	—	9	—
		†Leith (Edinburgh)	51	29	48·6	38·0	43·5	+ 4·0	27	11	6	1·21	+ 0·77	0·9	− 3·8	2	− 8
		Marchmont	48	30	44·5	36·8	40·8	+ 3·9	7	21	6	0·85	+ 0·20	7·1	− 0·9	15	− 2
		(Saltburn)												2·3	—	5	—
2. ENGLAND, N.E.	Northern part.	†Alnwick Castle (Cockle Park)	52	30	47·1	37·2	42·4	+ 3·6	23	13	4	0·63	− 0·04	4·3	—	9	—
		†Shields (Newcastle)	51	33	47·1	36·6	42·1	+ 2·8	23	15	4	0·76	+ 0·28	2·3	− 3·2	5	− 7
		Durham	51	33	46·0	37·6	42·0	+ 4·2	11	12	5	0·66	+ 0·14	4·4	− 5·0	9	− 10
		Scarborough .. .. 𝔐	53	35	47·1	40·2	43·8	+ 4·2	20	5	3	0·36	− 0·17	3·2	—	6	—
		York	52	33	46·1	37·3	41·9	+ 3·4	11	21	4	0·31	− 0·14	0·0	− 5·7	0	− 11
	Southern part.	Spurn Head	50	36	46·6	40·1	43·5	+ 3·7	18	5	2	0·06	− 0·38	*	*	*	*
		†Lincoln (Skegness)	55	30	48·0	37·5	43·0	+ 5·1	26	13	5	0.09	− 0·33	8·1	—	16	—
		†Fulbeck (Rauceby)	53	30	46·6	38·4	42·7	+ 5·0	20	10	3	0·15	− 0·25	5·6	—	11	—
3. ENGLAND, E.	Northern part.	Hillington .. .. 𝔐	52	28	47·5	38·1	43·0	+ 5·3	23	11	4	0·19	− 0·31	4·9	− 4·4	9	− 9
		†Yarmouth (Lowestoft) ..	53	32	48·0	39·7	44·0	+ 5·4	24	6	2	0·05	− 0·41	8·7	—	17	—
		Geldeston	54	28	49·1	38·6	44·1	+ 5·3	29	10	4	0·07	− 0·36	11·9	+ 1·1	23	+ 2
		(Cromer)												9·3	—	18	—
	Southern part.	Cambridge	55	27	48·8	36·6	42·9	+ 4·7	29	15	2	0·04	− 0·32	8·3	− 0·7	16	− 1
		Felixstowe	51	29	47·3	39·7	43·7	+ 4·2	22	6	2	0·04	—	9·1	—	17	—
		Clacton-on-Sea	51	34	46·9	40·3	43·7	+ 4·5	19	5	1	0·02	—	12·9	—	24	—
		Rothamsted	53	29	47·7	37·1	42·6	+ 4·4	25	14	6	0·08	− 0·45	8·4	− 1·0	16	− 2
		†Shoeburyness (Southend) ..	53	29	48·4	39·4	44·1	+ 4·5	26	7	3	0·03	− 0·33	18·7	—	35	—
		London, Westminster	55	33	49·6	40·6	45·3	+ 5·5	29	4	2	0·03	− 0·41	2·8	− 0·2	5	0
		(Dunmow)													—		
4. MIDLAND COUNTIES.	Eastern part.	Harrogate	50	31	46·1	36·7	41·6	+ 3·9	11	23	4	0·68	+ 0·13	6·4	—	13	—
		†Bawtry (Worksop)	—	28	—	37·4	—	—	—	—	5	0·14	− 0·30	4·7	− 2·1	9	− 4
		Nottingham	54	28	47·9	38·9	43·6	+ 5·0	24	9	3	0·10	− 0·35	1·8	—	4	—
		Raunds .. .. .. 𝔐	55	28	48·0	36·2	42·3	+ 4·3	26	16	1	0·08		*	*	*	*
		Birmingham, Edgbaston ..	53	32	47·7	39·7	43·9	+ 5·6	23	6	3	0·15	− 0·35	0·7	—	1	—
		Oxford	55	32	49·3	40·3	45·0	+ 5·7	28	5	2	0·03	− 0·42	7·7	− 1·7	15	− 3
	Western part.	†Cheadle (Sheffield) .. 𝔐	51	30	46·8	36·9	42·1	+ 4·6	22	14	5	0·29	− 0·37	5·3	—	10	—
		Shrewsbury	57	29	50·5	40·1	45·5	+ 5·0	32	5	2	0·08	—	*	*	*	*
		Hereford .. .. 𝔐	56	31	49·8	40·3	45·2	+ 6·3	30	5	7	0·19	− 0·36	*	*	*	*
		Cirencester	53	32	48·4	38·9	43·8	+ 5·6	26	9	2	0·11	− 0·49	8·1	− 0·7	15	− 1
		Bath	55	30	51·3	41·3	46·5	+ 6·2	34	2	5	0·07	− 0·58	7·8	—	15	—
		(Margate)												8·4	− 2·0	16	− 4
5. ENGLAND, S.		Kew	55	30	49·3	39·1	44·4	+ 4·9	29	8	1	0·02	− 0·41	10·6	+ 2·3	20	+ 4
		Wisley, Surrey	54	28	49·6	39·6	44·8	+ 5·1	30	7	2	0·04	—	14·6	—	27	—
		†Swarraton (Ventnor) .. 𝔐	52	30	48·4	39·1	43·9	+ 5·3	25	8	6	0·26	− 0·42	13·3	+ 2·3	25	+ 4
		Tunbridge Wells .. 𝔐	52	31	47·3	38·7	43·2	+ 4·9	22	9	4	0·08	− 0·35	16·1	+ 6·6	30	+ 12
		†Dungeness (Littlestone) ..	52	30	48·6	41·9	45·4	+ 4·5	24	0	4	0·08	− 0·42	14·2	—	26	—
		Hastings	52	35	48·2	41·8	45·1	+ 4·3	23	1	4	0·08	− 0·54	17·9	+ 5·3	33	+ 10
		Southampton	54	34	50·6	42·2	46·6	+ 5·9	32	0	4	0·27	− 0·43	11·6	+ 1·0	22	+ 2
		†Portland Bill (Worthing) ..	53	41	51·4	46·3	49·0	+ 5·9	49	0	5	0·15	—	21·4	—	40	—
		(Eastbourne)												17·1	+ 5·4	32	+ 10
6. SCOTLAND, W.		Laudale	53	30	47·8	39·3	43·7	+ 3·0	23	8	7	1·83	− 0·32	*	*	*	*
		Poltalloch .. .. 𝔖	51	26	46·1	35·4	41·0	+ 1·4	11	28	6	1·57	+ 0·32	*	*	*	*
		Glasgow	50	30	45·9	38·3	42·5	+ 3·7	17	9	6	1·90	+ 1·01	0·7	− 2·8	2	− 6
		Rothesay	*51*	*30*	*47·1*	*39·9*	*43·6*	+ *3·5*	*20*	*6*	*7*	*2·62*	+ *1·52*	*	*	*	*
		Colmonell	*50*	*26*	*48·5*	*37·9*	*43·4*	+ *3·2*	*27*	*11*	*7*	*1·76*	+ *0·68*	*	*	*	*
		Dumfries	51	27	47·6	38·7	43·3	+ 4·7	23	9	5	2·16	+ 1·23	*	*	*	*
		Cally	49	29	46·2	39·9	43·2	+ 4·7	17	6	6	1·99	+ 0 82	*	*	*	*
		Douglas, Isle of Man	51	28	49·7	42·8	46·4	+ 4·7	31	0	7	1·91	− 0·84	1·7	− 7·4	3	− 15
7.	ENGLAND, N.W.	Aspatria	51	28	48·0	39·6	44·0	+ 6·0	24	7	6	2·74	+ 1·91	3·9	—	8	—
		Newton Rigg	50	29	46·7	38·9	43·0	+ 6·1	20	9	5	1·18	+ 0·34	7·1	− 0·3	15	− 1
		Stonyhurst	51	28	46·7	39·6	43·3	+ 5·0	19	7	5	1·53	+ 0·53	3·7	− 2·1	7	− 4
		Blackpool .. .. 𝔐	51	30	47·6	40·2	44·1	+ 5·0	22	5	6	1·00	+ 0·32	5·8	− 0·5	12	− 1
		Manchester, Prestwich ..	53	28	47·4	38·8	43·3	+ 4·8	23	9	6	0·70	− 0·06	2·1	− 1·5	4	− 3
		†Liverpool Obs. (Hoylake)	53	35	48·1	41·4	44·9	+ 4·7	23	2	3	0·24	− 0·31	—	—	—	—
		†Hawarden Bridge (Southport)	56	31	50·6	40·3	45·7	+ 4·9	33	5	4	0·12	− 0·35	7·0	+ 0·5	14	+ 1
	NORTH WALES	Llandudno .. .. 𝔐	55	36	52·0	44·8	48·5	+ 6·3	46	0	5	0·13	− 0·52	7·0	− 1·4	14	− 3
		†Holyhead (Aberdovey) ..	51	37	48·1	43·3	45·8	+ 2·7	27	0	5	1·27	+ 0·42	2·9	—	6	—
		Bettws-y-Coed	54	31	51·4	43·3	47·5	+ 5·2	39	0	5	0·74	—	3·6	—	7	—
		(Aberystwyth)												3·5	—	7	—
8.	SOUTH WALES	Llangammarch Wells	54	28	49·5	39·4	44·7	+ 4·5	30	7	7	0·77	—	3·1	—	6	—
		Pembroke	53	41	52·1	45·6	49·0	+ 4·7	49	0	7	0·67	− 0·22	4·0	− 5·7	8	− 11
		Cardiff	54	30	50·0	40·8	45·6	+ 4·6	30	3	7	0·65	− 0·38	8·0	—	15	—
	ENGLAND S.W.	Clifton	55	34	51·0	42·4	46·9	+ 6·2	34	0	3	0·17	− 0·56	4·8	—	9	—
		†Shaftesbury (Marlborough) 𝔐	51	33	48·0	40·9	44·6	+ 6·1	23	3	4	0·20	− 0·51	5·7	− 2·3	11	− 4
		†Arlington (Newquay)	53	33	49·9	41·6	45·9	+ 5·5	29	1	6	0·85	− 0·55	7·8	− 3·2	14	− 6
		Cullompton .. .. 𝔐	55	30	51·5	41·1	46·5	+ 7·0	35	3	6	0·48	− 0·37	3·9	− 4·6	7	− 9
		Plymouth	53	36	51·7	45·3	48·6	+ 5·5	46	0	6	0·53	− 0·42	7·1	− 3·9	13	− 7
		Falmouth	54	42	52·1	47·5	49·9	+ 5·4	55	0	7	0·73	− 0·57	8·1	− 4·2	15	− 8
		(Torquay)												9·5	− 2·6	18	− 5
9. IRELAND, N.	Western part.	Malin Head	51	35	48·1	40·9	44·6	+ 2·8	23	3	6	0·68	− 0·04	*	*	*	*
		Edenfel												*	*	*	*
		Blacksod Point	54	40	50·6	43·4	47·1	+ 3·8	36	0	7	3·45	+ 2·15	*	*	*	*
		Markree Castle	52	30	49·6	41·1	45·5	+ 5·9	28	3	6	1·31	+ 0·33	0·7	− 6·9	1	− 14
	Eastern part.	Armagh	52	29	48·8	40·8	45·0	+ 5·8	26	3	7	0·83	+ 0·21	2·0	− 6·6	4	− 13
		Donaghadee	51	33	49·3	41·3	45·5	+ 3·9	27	2	7	1·30	+ 0·63	*	*	*	*
10. IRELAND, S.	Eastern part.	†Dublin, City (Phœnix Park) ..	55	31	51·6	44·5	48·2	+ 6·3	43	0	6	0·60	+ 0·19	2·8	− 8·9	6	− 17
		Kilkenny	52	33	50·7	40·3	45·7	+ 4·8	33	5	7	1·30	+ 0·56	*	*	*	*
		Waterford	53	33	51·3	41·7	46·7	+ 5·2	34	1	7	1·77	+ 0·79	*	*	*	*
	Western part.	Birr Castle	53	32	51·7	40·4	46·3	+ 6·3	37	4	6	1·15	+ 0·45	1·3	− 8·3	3	− 16
		Foynes	54	35	52·1	42·3	47·4	+ 5·2	38	0	7	1·49	+ 0·50	*	*	*	*
		Cahir .. .. .. 𝔐	*52*	*32*	*50·6*	*41·6*	*46·3*	+ *4·3*	*32*	*1*	*7*	*1·38*	—	*	*	*	*
		Killarney	55	34	52·3	44·0	48·3	+ 4·8	44	0	7	2·46	+ 0·86	*	*	*	*
		Valencia	53	36	52·6	45·6	49·2	+ 3·7	50	0	7	3·07	+ 1·67	0·4	− 8·9	1	− 17
		†Roches Point (Ballinacurra) ..	51	35	50·7	43·3	47·2	+ 3·1	36	0	7	2·00	+ 0·80	0·7	—	1	—
11. ENGLISH CHANNEL		Scilly, St. Mary's	54	45	53·1	47·6	50·5	+ 3·4	60	0	7	0·40	− 0·56	4·2	− 6·8	8	− 12
		†Jersey, St. Aubins (St. Heliers)	54	39	50·9	43·0	47·1	+ 3·0	36	0	1	0·03	− 0·83	18·1	+ 4·4	32	+ 8
		Guernsey	53	41	51·4	45·5	48·6	+ 4·0	46	0	2	0·07	− 0·93	8·1	− 1·9	15	− 4

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
Additional Sunshine Totals for the week: Ramsgate, 16·8 hrs., 31 %; Brighton, 18·5 hrs. (+ 7·5), 34 % (+ 14 %); Bournemouth, 12·4 hrs., 23 %; Bognor, 19·1 hrs., 35 %; Rhyl, 9·1 hrs., 18 %; Tenby, 4·3 hrs. (− 6·1), 8 % (− 12 %).
Values printed in italic type will not be used for the calculation of "District Means" until the commencement of [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	41·9
	Crathes	4	20	38·1	40·2
	Balmoral	5	12	—	—
	Marchmont ..	2	26	37·9	—
2.	Cockle Park	3	27	38·7	41·1
	York	—	—	40·4	43·9
	Hull	2	23	38·9	45·0
	Lincoln	—	—	39·3	44·0
3.	Lowestoft	2	26	40·9	44·8
	Cambridge	4	20	41·1	45·3
	Dunmow				
	Clacton-on-Sea ..	2	26	43·7	47·9
4.	Harrogate	3	28	42·2	41·6
	Sheffield	3	26	40·0	44·2
	— — ..				
	Birmingham	2	26	42·3	45·7
	Nottingham	3	24	40·0	42·6
	— — ..				
5.	Kew	4	23	41·1	46·1
	Canterbury	4	23	41·9	47·3
	Portsmouth	1	30	44·6	48·2
	Wisley	4	23	42·1	45·8
6.	Glasgow	1	22	—	—
	Rothesay	—	—	—	43·0
	Dumfries	2	21	—	—
	Douglas	1	25	—	—
7.	Newton Rigg ..	2	20	40·4	42·5
	Southport	1	20	39·9	42·4
	Manchester City ..	0	41	40·6	45·1
	Bettws-y-Coed ..	1	30	43·0	45·0
	— — ..				
8.	Llangammarch Wells	2	19	43·8	46·6
	— — ..				
	Bath	—	—	43·5	48·1
	Plymouth	0	36	46·2	—
9.	Armagh	1	24	41·9	44·2
	Markree Castle ..	1	23	—	—
10.	Dublin, Trin. Coll. ..	1	27	43·3	44·9
11.	Guernsey, Brooklyn	0	32	46·7	49·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·6
	Kirkwall	45	43	44·2
	Wick	[46]	[46]	[46·0]
SCOTLAND, E.	Cromarty	42	39	40·4
	Pennan Bay	49	43	43·9
	Aberdeen, Cove Bay ..	42	40	41·2
ENGLAND, N.E.	Burnmouth, Berwick ..	45	44	44·5
	Scarborough	52	47	49·4
ENGLAND, E.	Shipwash Lightship ..	49	45	47·0
	Margate	47	42	44·3
ENGLAND, S.E.	Eastbourne‡	48	47	47·1
SCOTLAND, W.	Lamlash	48	47	47·4
	Ballantrae	45	42	44·1
ENGLAND, N.W.	Port Erin	50	48	49·4
ENGLAND, S.W.	Newquay	49	48	48·9
	Plymouth‡	51	49	49·9
	Salcombe	51	49	50·5
IRELAND, N.W.	Sheephaven	47	46	46·5
	Ballyglass	48	44	46·8
IRELAND, S.W.	Cleggan	48	45	46·1
	Seafield	49	45	47·5
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

Corrections and Additions for November, 1907.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

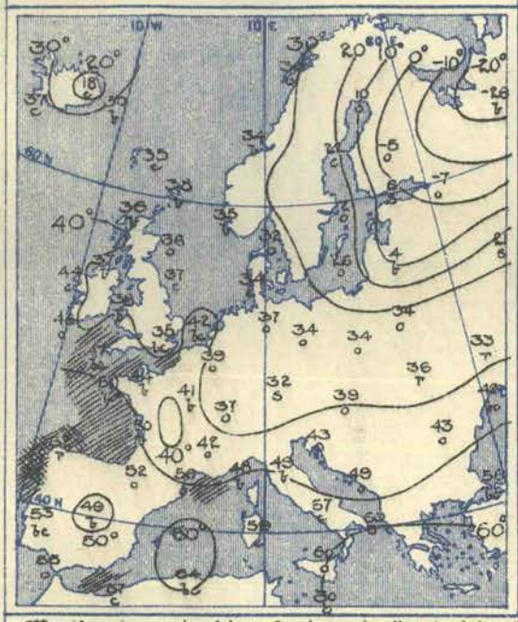
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																
No. 46, p. 363	Rhyl	—	—	—	—	—	—	—	—	—	—	—	18·3	—	31	—
No. 48, p. 379	Tenby	—	—	—	—	—	—	—	—	—	—	—	17·3	+ 4·9	30	+ 9
Station Values.—Corrections.																
No. 44, p. 347	York	—	—	—	42·2	47·4	+2·7	38	—	—	—	—	—	—	—	—
No. 44, p. 347	Hillington	57	—	—	41·7	47·5	+2·2	40	1	—	—	—	—	—	—	—
No. 45, p. 355	Stornoway	—	—	—	—	—	—	—	—	5	0·22	−1·04	—	—	—	—
No. 45, p. 355	Glencarron	?63	—	50·0	—	43·9	+2·2	31	12	—	—	—	—	—	—	—
No. 45, p. 355	Hereford	56	—	52·1	44·7	48·4	+4·0	45	—	—	—	—	—	—	—	—
No. 45, p. 355	Swarraton	—	—	—	—	—	—	—	—	5	0·14	−0·63	—	—	—	—
No. 45, p. 355	Llandudno	—	—	—	—	—	—	—	—	—	0·29	−0·51	—	—	—	—
No. 45, p. 355	Dublin (City), Phœnix Park ..	—	—	—	—	—	—	—	—	—	—	—	10·6	− 8·2	17	− 13
No. 45, p. 355	Cahir	—	—	48·7	38·2	43·5	—	26	11	—	—	—	—	—	—	—
No. 45, p. 355	Rothesay	—	—	—	40·4	45·2	+1·7	29	4	—	—	—	—	—	—	—
No. 46, p. 363	Llandudno	—	—	—	43·3	48·1	+1·9	43	—	—	—	—	—	—	—	—
No. 46, p. 363	Laudale	—	—	—	—	—	—	—	—	6	2·61	+0·66	—	—	—	—
No. 47, p. 371	Armagh	—	—	—	—	—	—	—	—	—	0·58	−0·10	—	—	—	—
No. 47, p. 371	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	19·6	+ 6·5	34	+ 11
No. 48, p. 379	Laudale	—	—	—	—	—	—	—	—	4	1·04	−0·96	—	—	—	—
No. 48, p. 379	Llandudno	—	—	—	37·8	42·6	−1·8	—	12	—	—	—	—	—	—	—

Temp. on the Grass and in the Ground.

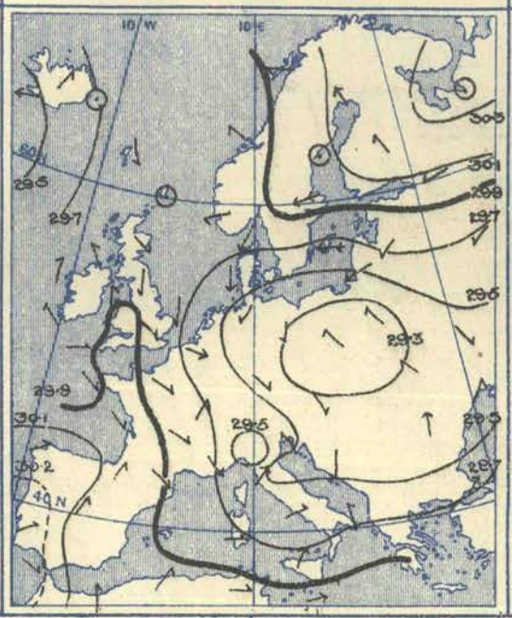
		Grass Min. No. of Obs. of 30° or less	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
Station Values:—Additions.					
No. 48, p. 380	Manchester (City)	2	27	40·8°	48·4°
Station Values:—Corrections.					
No. 46, p. 364	York	—	—	47·7°	—
No. 46, p. 364	Dublin, Trin. Col.	—	—	46·4°	—
Sea Temperature:—Addition.					
—	—	—	—	—	—
Sea Temperature:—Correction.					
No. 46, p. 364	Shipwash Lightship	Highest. 56	Lowest. 51	Mean. 53·0	

Sunday, 15th December, 1907.

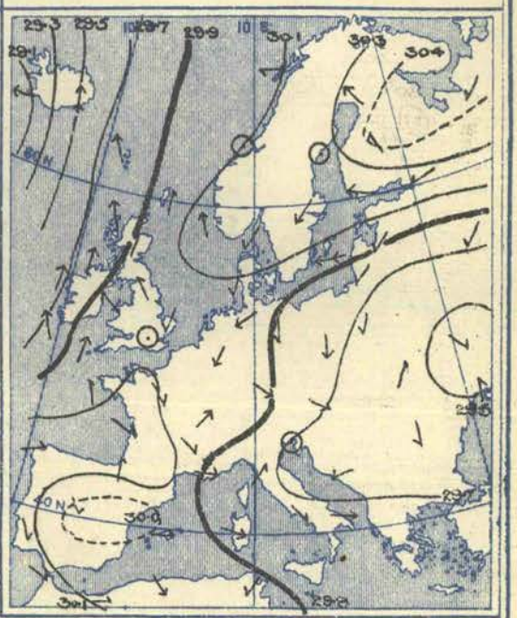
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in nearly all parts of these Islands, the Low Countries, and France, and in a few scattered localities elsewhere. Overcast generally, with rain in many regions of central Europe and over southern Russia, as well as in the north of Spain, and snow at Moscow and Helsingfors. Rain, generally slight, occurring later in day over the west and north of these Islands, and in various parts of central and southern Europe.

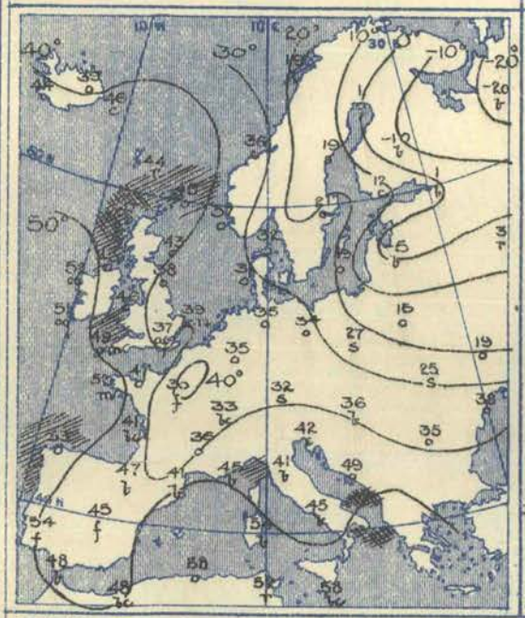
Temperature risen over the Mediterranean region, fallen in most other districts, very decidedly over this country. Readings in morning below zero over a large portion of Russia and as low as -26° at Archangel. Some degrees above 32° over the central countries and at nearly all our own stations, and above 50° very generally in the far south of our area. Highest readings 62° at Palma and 64° at Algiers. Maxima during day a little above 40° in most English localities and about the same height in south Germany and over Austria. Thermometer rising above 60° in the south, and touching or exceeding 70° at some Algerian stations. Severe frost continuing all day in Russia, Sweden, and the adjacent portion of Germany.

Wind in morning circulating cyclonically over nearly the whole of Europe; Easterly to North-Easterly current strong to a gale over the region of the Baltic, and North-Westerly and Westerly currents strong to high over the Mediterranean. Light South-Easterly and Southerly breezes prevailing along our most western coasts. Southerly current extending further over these Islands during day, and increasing greatly in force; a gale from between South and East springing up in Iceland.

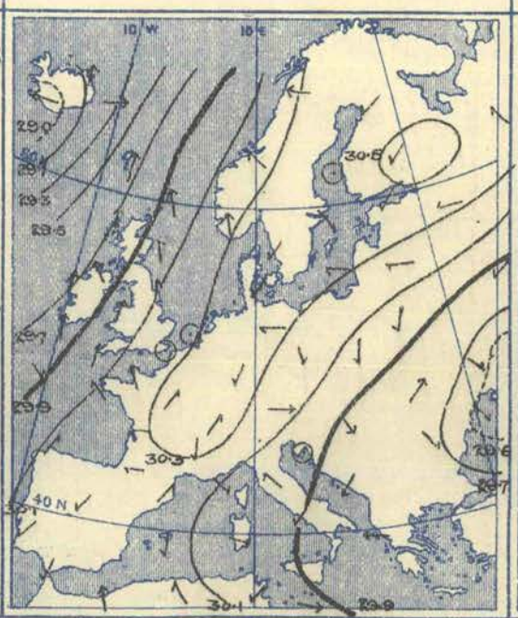
Barometer in morning above 30·3 ins. over the White Sea and above 30·2 ins. in Portugal. Below 29·5 ins. in a minimum to the westward of Iceland, and in another over the Gulf of Genoa, and below 29·2 ins. in a very large system having its minimum near Breslau. Pressure decreasing in Iceland and along our western coasts later, but continuing to increase in the east and over the greater portion of the Continent. Main depression travelling eastwards and decreasing in intensity. Barometer rising over the White Sea and its vicinity.

Monday, 16th December, 1907.

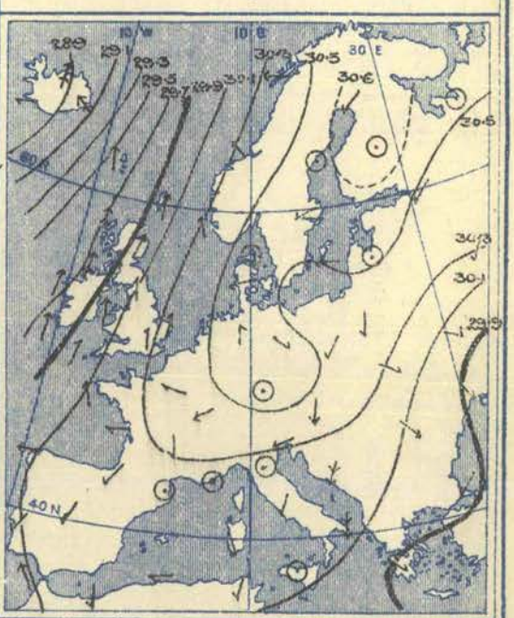
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria, most parts of southern Europe, and at some stations in the north-east; cloudy or entirely overcast elsewhere, with rain at various places in the west and north of these Islands and at Tunis, and rain or snow over the central and eastern countries. Fog prevailing in many parts of the Spanish Peninsula. Some rain later in the west of these Islands, and rain or snow in a few Continental localities.

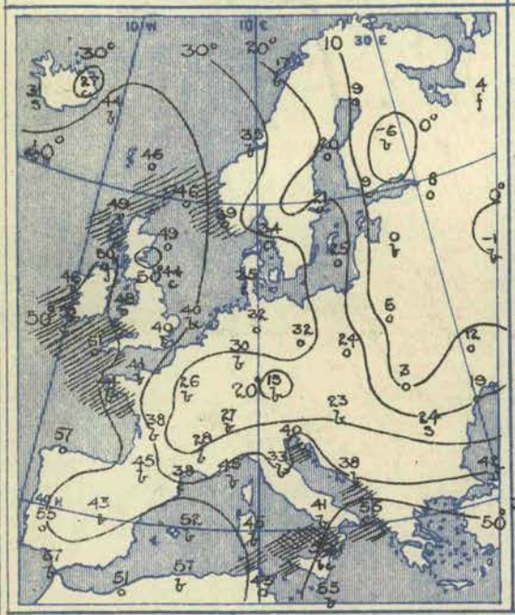
Temperature fallen in almost all parts of the Continent, risen at nearly all our own stations. Readings in morning ranging from nearly 60° at a few places in the far south and about 50° in the south-west of this country, to much below 32° over Poland and the north-east and north of our area; lowest readings -10° at Kuopio and -20° at Archangel. Frost continuing very severe throughout in the latter region, and maximum only 32° at Buda-Pesth. Thermometer rising to above 60° at some extreme southern stations, but only reaching 57° at Palmero.

Wind in morning Southerly over our Islands and the north-west of our area generally; strong or high on our western coasts, and blowing a gale at Stornoway. Light or moderate winds, mainly from between North-West and North-East, prevailing in the eastern half of our area, and light to fresh breezes from various quarters in the Mediterranean region. Increasing to a gale or high wind from South on many parts of our western and north-western coasts later, and becoming equally strong from the Northward on the Adriatic.

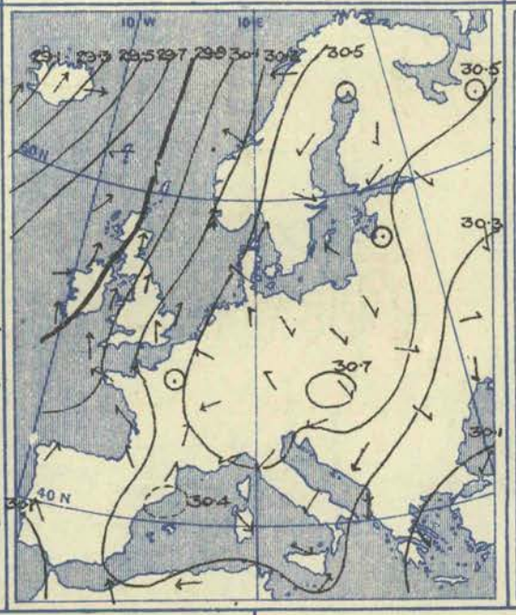
Barometer in morning 30·3 ins. to above 30·4 ins. in a very large band extending from Arctic Europe to central France; below 29·5 ins. in a depression over Little Russia, and less than 29·0 ins. in another system to the westward of Iceland. Relatively low in an ill-defined disturbance covering Corsica and Sardinia. High pressure system increasing in intensity during day, but barometer falling decidedly in Iceland, and slightly at some of our western and northern stations. Gradients becoming steeper both in the north-west and south-east of our area.

Tuesday, 17th December, 1907.

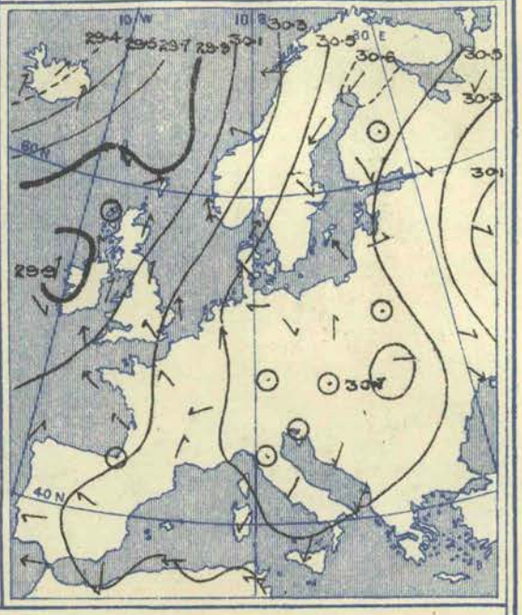
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in the south and south-east of England, over France, and most of the Mediterranean region; cloudy or overcast in almost all other places, with rain at many of our western stations and at Constantinople, and snow at Nicolaieff and Reykjavik. Heavy rain later in the west of Ireland and in Norway, and slight amounts in Scotland. Continuing dry over our area generally.

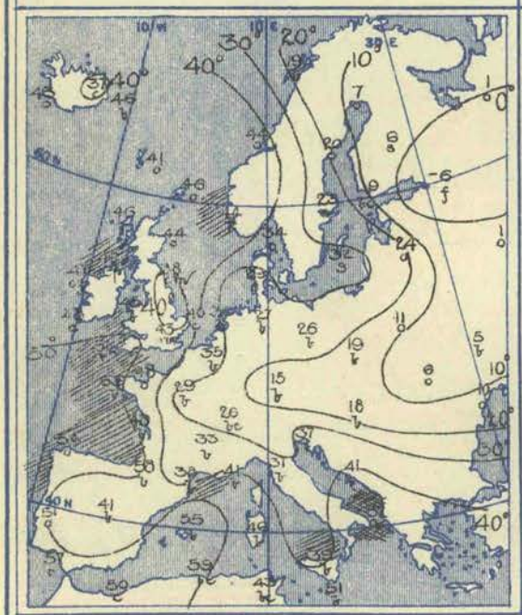
Temperature risen in these Islands and Finland and its vicinity, fallen elsewhere. Readings in morning -6° at Kuopio, -1° at Moscow and much below 32° in the north and east of our area as a whole, as well as at Munich; above 50° in the south-west of Ireland, and above 55° at a few stations in the far south of our area. Severe frost continuing all day in many parts of central and northern Europe, and maxima lower than of late over the south of Europe; below 60° very generally, and only slightly above that point in Algeria. Maxima below 45° at some English stations.

Wind in morning showing a vast anticyclonic circulation affecting nearly the whole of the European mainland; Southerly breezes, fresh or strong generally, prevailing on our western coasts and in Iceland, and a Northerly gale at Brindisi. Light variable winds over the Mediterranean as a whole. Scarcely any change of importance later in day; wind becoming rather more South-Easterly over our southern and south-eastern counties, and North-Westerly on the south-west coast of Ireland, and also at Thorshavn.

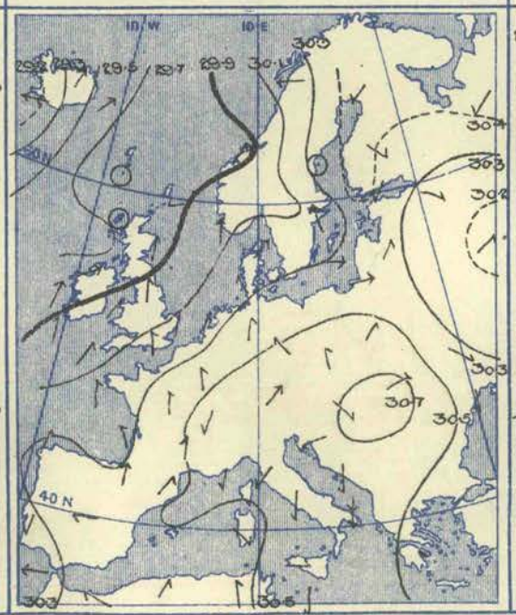
Barometer in morning above 30·7 ins. in Austria, and relatively high in a broad band extending thence to Lapland or beyond. Below 30·1 ins. over Little Russia, Asia Minor, and the extreme south-west of our area, and less than 29·1 ins. over the west of Iceland. No material modification occurring later in the general distribution of pressure; barometer rising over Iceland and the north and west of these Islands. Highest pressure moving somewhat to the eastward.

Wednesday, 18th December, 1907.

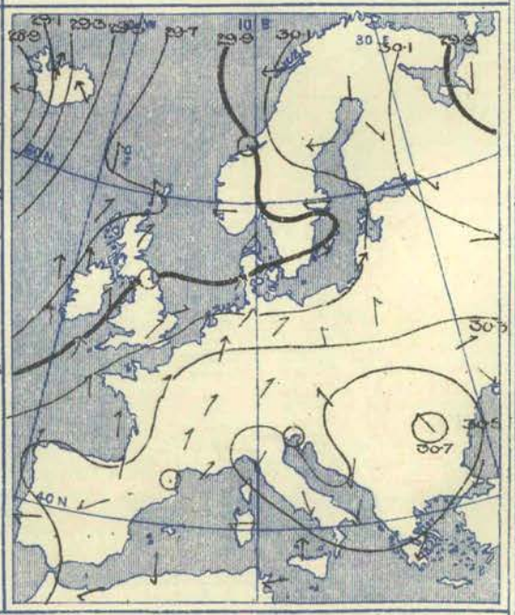
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of France and southern Europe; cloudy or quite overcast elsewhere, with rain at some of our south-western and northern stations and at Skudesnaes, and snow in some north-eastern regions of Europe. More or less rain falling later over the United Kingdom and the nearer countries of the Continent, and rain or snow in Scandinavia.

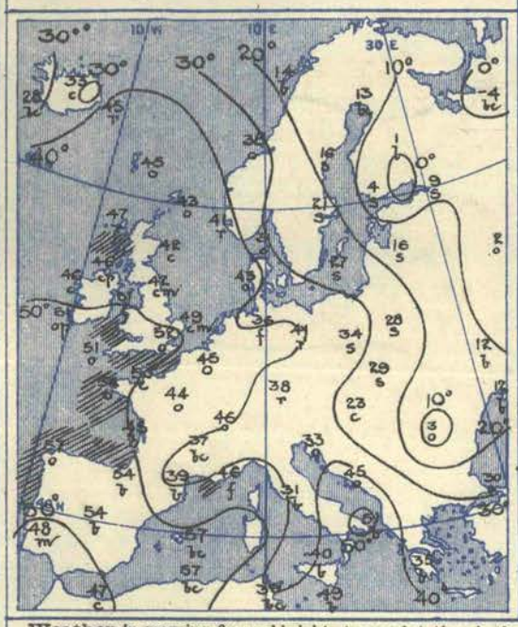
Temperature risen over France and in a few localities elsewhere, fallen generally. Readings in morning below 32° in northern Italy and many degrees below that point over the central and eastern countries. Lowest value -6° at St. Petersburg. Below 40° over central and eastern England, but about 50° on the extreme south-west coast, and above that value at some places in the extreme south of our area. Frost continuing all day in Hungary, Poland, Russia, and Sweden, and maxima not much above 32° in Germany and Austria. Thermometer rising to 50° or rather higher in most parts of England and Ireland, and exceeding 60° in places in the far south of our area; highest reading 73° at Oran.

Wind in morning light and mainly Southerly over our Islands and their neighbourhood, and strong to a gale between South and West in Iceland. A light anticyclonic circulation prevailing over most of central Europe, and a light cyclonic movement over northern Russia. A Northerly gale blowing at Brindisi. Increasing from the Southward on our western coasts during day, and becoming high at Blacksod Point. Becoming strong from various directions over the Baltic region. Gale increasing in force in Iceland.

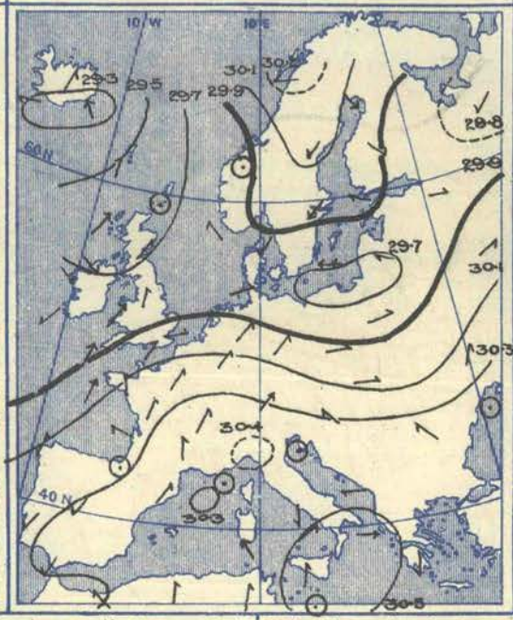
Barometer in morning above 30·7 ins. in an anticyclone having its maximum over Transylvania and its vicinity. Below 30·2 ins. in a depression over central Russia, and below 29·2 ins. in a large system to the westward of Iceland. Pressure decreasing quickly later in the region of the White Sea, and falling to below 28·9 ins. in western Iceland. A depression forming over southern Sweden, and a small minimum appearing off the north of Scotland.

Thursday, 19th December, 1907.

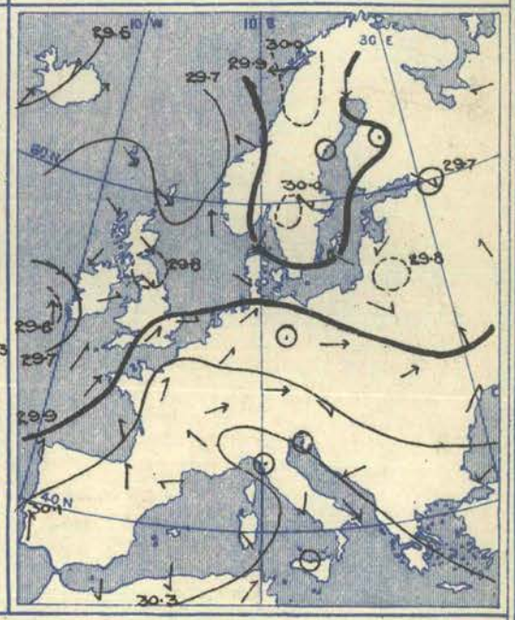
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at several stations in the extreme north of our area and over the Mediterranean region; overcast very generally elsewhere, with rain in the west and south of these Islands, and rain or snow over central Europe and Scandinavia. Air unusually humid over England. Rain falling later in most parts of our Islands and in various localities on the Continent; amounts heavy in Ireland, more than an inch at Valencia.

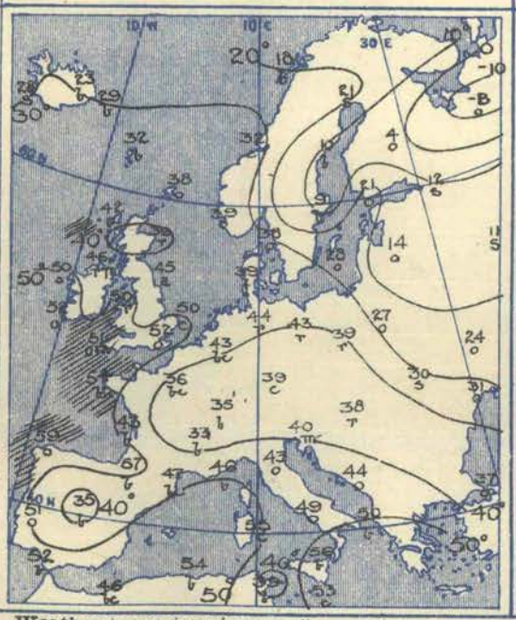
Temperature risen quickly over England, France, and the central countries, and also at St. Petersburg. Readings in morning above 50° in Algeria and various parts of southern Europe, but only 40° at Palermo and 31° at Rome; above 50° in the southern counties of England and Ireland. Frost continuing in the east and north-east of Europe; readings only slightly above zero in places, and 4° below it at Archangel. Maxima during day 50° or above in most parts of these Islands, and as high as 55° in the south. Thermometer only rising to 46° at Rome and to 51° at Naples. Readings above 60° in Algeria and the south-west and south of the Spanish Peninsula.

Wind in morning showing a cyclonic circulation around the Baltic; moderate generally, but Easterly current blowing a gale at Wisby. Light to fresh winds mainly from the Southward over these Islands, but a Northerly to North-Westerly breeze prevailing along the extreme west coasts. Light anticyclonic airs general over southern Europe. Little change as a whole later, but a Southerly wind reappearing on the south-west and south coasts of Ireland.

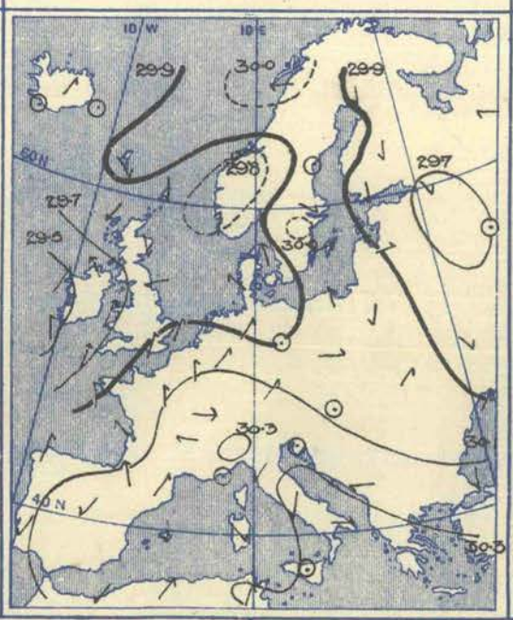
Barometer in morning above 30·5 ins. over Sicily and the south of Italy, and above 30·2 ins. in Finmark; below 29·7 ins. in a depression having its minimum near Memel, and less than 29·3 ins. in a disturbance over Iceland. Relatively low in a shallow secondary system of a "V-shaped" character over our western districts, as well as in the north of Russia. Barometer falling considerably over Sicily and Italy during day, but northern high pressure system undergoing no loss of intensity. Pressure rising briskly on our north-west coasts, but falling in the south-west.

Friday, 20th December, 1907.

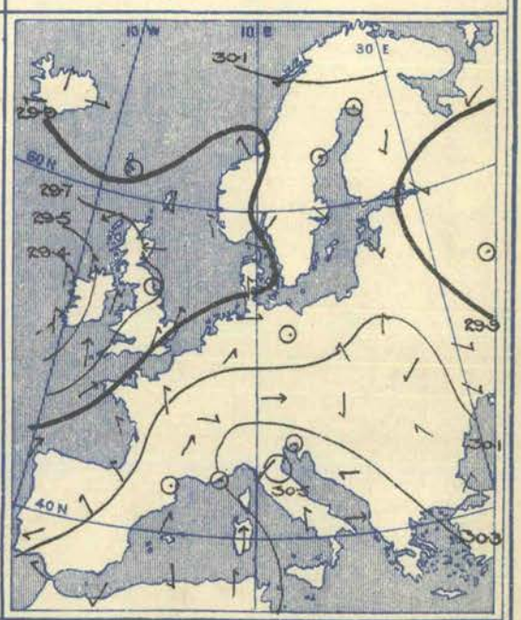
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over all our northern and western districts, Germany, and at Rome, and snow falling at Copenhagen, Lemberg, and in various parts of Russia. Overcast in most other regions, but fine and bright in many southern localities, as well as in the major portion of Iceland. More than 0·5 in. of rain experienced later in Scotland and at Lisbon, smaller quantities over these Islands generally, and slight falls in scattered localities on the Continent.

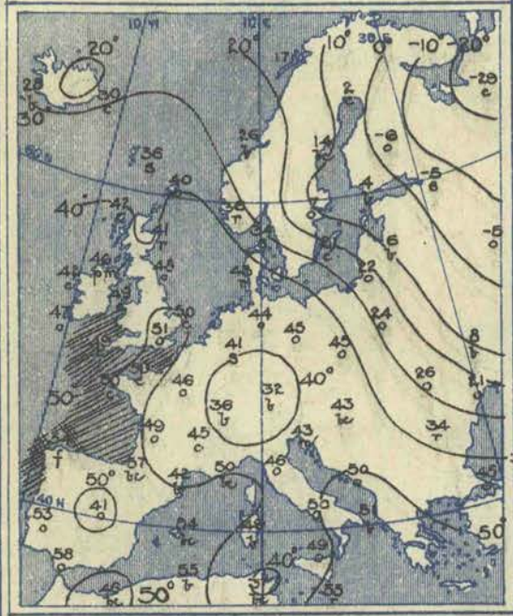
Temperature fallen in France, Algeria, and central Spain, risen or changed little in nearly all other places. Readings in morning as low as -13° at Archangel and much below 32° in the north and north-east of our area generally; below 40° in northern Scotland and in some parts of France and central Europe, but 50° or above at most English and Irish stations and over the Mediterranean region; highest reading 59° at Corunna. Rising later to 68° at Algiers, to above 60° in some other southern localities, and to 55° in London and some other places in southern England. Severe frost continuing throughout in the north and north-east.

Wind in morning mainly cyclonic except in the south. Moderate to fresh from the Southward over England and Ireland, and moderate or light from the Eastward in Scotland. No force greater than a moderate breeze elsewhere. Some increase in strength taking place on our south-west coasts during day and wind becoming high from South-West at Brest.

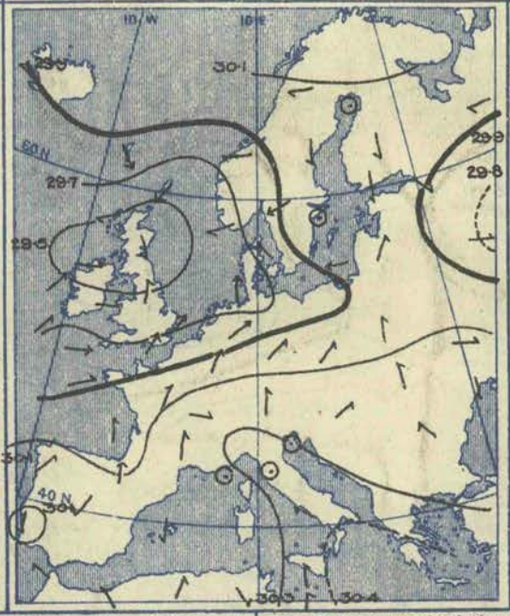
Barometer in morning above 30·3 ins. over the Mediterranean and the adjacent portion of the Continent and above 30·0 ins. in the far north of Norway; below 29·8 ins. in a depression over the south-west and west of Norway, less than 29·7 ins. in another system over Russia, and below 29·5 ins. to the westward of Ireland. Atlantic low pressure system extending over these Islands during day; Norwegian depression nearly dispersing, and that over Russia moving eastwards. Both southern and northern high pressure systems maintaining their position.

Saturday, 21st December, 1907.

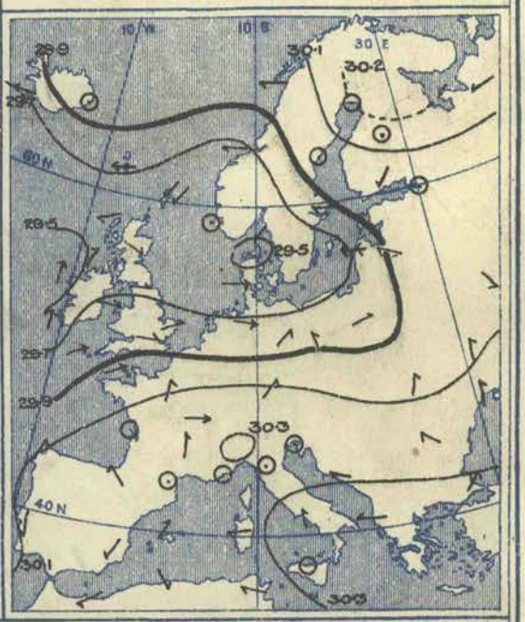
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or showery in several places in these Islands and beyond the North Sea, as well as at Malta and Hermanstadt. Snow falling on the shores of the Skager Rack and at St. Petersburg and Thorshavn. Sky clear or nearly so in several localities both in the north and south of our area. Rain later in most parts of the United Kingdom, Germany, and at Florence and Naples, and snow in Sweden, but quantity generally slight except in the west of Ireland.

Temperature fallen in Russia and Finland, risen in most other regions. Readings in morning above 50° in many places on the shores of the Mediterranean and in Portugal, and about 50° over most of England. Below 10° over a large portion of eastern and northern Europe, and below zero over the northern half of Russia; lowest value −29° at Archangel. Severe frost continuing all day in the north of Europe, but thermometer rising to 50° or rather higher in almost all British and Irish regions, and to about 60° on some shores of the Mediterranean.

Wind in morning circulating cyclonically over these Islands and their vicinity; Westerly and South-Westerly currents strong or fresh on our south-west coast and high at Aix-la-Chapelle. Light anticyclonic airs prevailing over the south of our area and a moderate Easterly current in the far north. Backing to the Southward in Ireland later and becoming high at Blacksod Point, and Easterly current in the far north also increasing considerably in force. Increasing over Denmark and the Baltic, and attaining a gale from East at Wisby.

Barometer in morning above 30·3 ins. over Italy, the Adriatic, and south-eastern Europe, and above 30·1 ins. in Lapland. Below 29·8 ins. in a depression over central Russia, and less than 29·5 ins. in a large, shallow disturbance over the northern districts of these Islands. Latter system moving eastwards to northern Denmark by evening, but another disturbance beginning to extend over Ireland from the westward and a fresh decrease of pressure taking place in Iceland also. Pressure undergoing little change with the southern anticyclone and increasing somewhat in Lapland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy). f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Ground Level.	1,650 500	3,320 1,000	5,000 1,500	6,600 2,000	8,320 2,500	10,000 3,000	Remarks.
1907.		Feet / Metres								
December 15th, 10.12 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.	37°	40°	[40°]					Three kites, 127 sq. ft., 500 ft. wire. Clear sky throughout, wind changed at 750 ft. above sea.
		Humidity	90%	90%	[90%]					
		Wind Velocity, m. per hr.	NW, 9	N, 20	[N by E, 20]					
December 16th, 2.35 p.m. to 3.55 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	41°	40°	[40°]					One kite, 77 sq. ft.
		Humidity	95%	100%	[100%]					
		Wind Velocity, m. per hr.	S by E, —	S, 38	[SW, 36]					
December 16th, 10.15 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	40°	38°					One kite, 6,000 ft. wire. At 800 ft. 40° F. SE by E, 30 m. per. hr. At 2,000 ft. humidity 55. At 4,000 ft. 36° F. 90%. S. 28 m. per. hr. Wind strongest at 2,000 ft, falling rapidly at 4,000 ft. Clear with light cirrus.
		Humidity	90%	70%	80%					
		Wind Velocity, m. per hr.	E by S, 10	SSE, 43	S by E, 35					
December 17th, 10.32 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	40°	45°	[49°]					One kite, 4,200 ft. wire. Max. height, 2,650 ft. Humidity 10%, Temp., 48°. Decrease of humidity on leaving the ground very rapid. Wind falling at 2,600 ft.
		Humidity	90%	40%	[10%]					
		Wind Velocity, m. per hr.	ESE, 17	SSE, 38	[S, 28]					
December 18th, 11.40 a.m. to 2.35 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	42°	39°	40°					One kite, 77 sq. ft. Light variable breeze. At about 3,000 ft., occasional strong gusts of warm (46° F.) dry (70%) air.
		Humidity	98%	95%	75%					
		Wind Velocity, m. per hr.	SW, —	SW by W, 18	W by N, 30					
December 19th, 11.0 a.m. to 1.8 p.m.	Glossop Moor, 1,100 ft.	Temperature F.	47°	43°	40°	39°	[40°]			One kite, 77 sq. ft. Max. height, 6,036 ft.
		Humidity	96%	98%	100%	100%	[100%]			
		Wind Velocity, m. per hr.	SW, —	WSW, 29	W, 27	W, 35	[W, 37]			
December 19th, 10.30 a.m. to 11.0 a.m.	Brighton, 380 ft.	Temperature F.	49°	46°						One kite, 54 sq. ft. Overcast, clouds at 600 ft. At 1,700 ft. the wind greatly increased, and the kite dived to the ground.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW, 23	—, 38						
December 20th, 12.15 p.m. to 12.54 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	50%	[46°]						One kite, 77 sq. ft. Run wire 2,170 ft., greatest height 1,570 ft.
		Humidity	—%	[—%]						
		Wind Velocity, m. per hr.	S by W, 20	[31]						
December 21st, 10.35 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	43°	36°					One kite, 45 sq. ft., 4,300 ft. wire. Max. height 3,600 ft. Clouds at various heights above 1,800 ft. 47° F. at 800 ft. Wind 30 m. per. hr. Wind reached 40 m. per. hr at 1,300 ft. and changed two points. Overcast, occasional light rain.
		Humidity	100%	100%	100%					
		Wind Velocity, m. per hr.	SW by S, 15	WSW, 37	SW by W, 42					

63, Victoria Street, London, S.W. *December 27th, 1907.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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THIRTIETH YEAR. *Vol. XXIV. (New Series.)* } No. 52. FIFTY-SECOND WEEK, ENDING SATURDAY, DECEMBER 28TH, 1907. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was somewhat rainy in most parts of the Kingdom during the early days of the week, but subsequently became drier, although with a generally overcast sky. Showers of sleet and snow, however, occurred in most districts, and some heavy falls of rain on the southern and south-western coasts of Ireland and at Scilly. The snow was generally very slight, but some places both in the north-east of England and in the extreme south-west experienced considerable falls. During the latter half of the week the atmosphere was unusually dry.

Temperature remained considerably above the average until Tuesday or Wednesday, but afterwards fell quickly and became low, with a very small diurnal range. The mean for the week was above the average in all parts of the eastern section except the Midland Counties, and below it elsewhere. The greatest divergence from the normal was +1°·5 in England S. The highest of the maxima occurred on the 22nd at nearly all stations, and ranged from 54° in England E. and S. and the English Channel to 47° in Scotland N. During the latter part of the week the maxima over a large part of Great Britain were only a little above 32°. The lowest of the minima were recorded on somewhat variable dates, but generally on the 28th in the south and west of England, and on the 23rd or 24th elsewhere. The readings ranged from 24° in England N.W. and 25° in England N.E. to 30° in England S. and Scotland W., and to 32° in the English Channel. The lowest grass readings reported were 15° at Crathes, 20° at Balmoral, and 21° at Hull and Dublin.

Mean Temperature of the Sea.—Generally the water was only slightly colder than during the preceding week, but at Eastbourne there was a decrease of 4°. The actual values ranged from nearly 50° at Plymouth and Salcombe to 40°·8 at Cromarty.

Rainfall was less than the average except in Ireland S. and the English Channel, the deficit being large in nearly all districts.

Bright Sunshine was equal to the average in Scotland E. and exceeded it in Scotland N. and England N.W. In all other localities it was less than the normal. The percentage of the possible duration ranged from 20 in England N.W. and 17 in Ireland S. to 4 in the Midland Counties. At Birmingham the week was quite sunless.

Barometer and Wind.—At the beginning of the week the pressure distribution was favourable for light to fresh South-Westerly and Southerly winds, but by Monday a change in the relative position of the high and low pressure systems had commenced, and by Tuesday evening Easterly winds were general over the greater part of England, and South-Easterly to Southerly winds in Ireland and Scotland. With the barometer highest and still rising over Scandinavia, and lowest and still falling off our western and south-western coasts, this condition became accentuated, and by Wednesday evening the Easterly to South-Easterly current had risen to a strong breeze or high wind on several parts of the coast, and during Thursday and the subsequent days blew a fresh to strong gale on several parts of the southern and western coasts, and occasionally in the east and north also. At the end of the period pressure had given way briskly in Scandinavia and the gradient decreased considerably over the United Kingdom, especially in the north and west.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 412.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Moderate	Moderate	Light	Moderate	Very light	Light	Light	Very light	Moderate	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Abundant	Scanty	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907. 4 weeks from Dec. 1st.	Warmth ...	0 * 0	1 * 0	1 * 1	2 * 0	2 * 0	3 * 0	1 * 1	2 * 1	1 * 0	2 * 1	1 * 1	2 * 0
	Rainfall ...	1 * 1	3 * 1	1 * 0	2 * 1	2 * 2	2 * 1	2 * 1	3 * 1	2 * 1	2 * 1	1 * 0	2 * 1
	Sunshine ...	2 * 0	1 * 1	1 * 2	2 * 1	1 * 2	2 * 1	0 * 2	2 * 1	1 * 2	1 * 1	0 * 1	0 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 7	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 6	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 7	2 * 6	3 * 5	2 * 7	2 * 8	3 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 5	9 * 0	10 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	4 * 3	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 4	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	2 * 2	5 * 6	6 * 3	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	2 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	7 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	5 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	2 * 7	1 * 7	2 * 3	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 6	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	7 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	2 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	6 * 1	6 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	4 * 1	5 * 4	4 * 5	4 * 6	2 * 3

6682 Wy. & S., Ltd. 12—07

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (52nd)—December 22nd to December 28th, 1907.

DISTRICTS. (See p. 411.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			°	%
0. SCOTLAND, NORTH	47	27	42·1	34·8	38·6	+ 0·4	0	- 7	26	- 8	3	- 2	0·30	-0·84	6	+ 2	13	+ 4
Eastern																		
1. SCOTLAND, EAST	50	28	40·5	33·3	37·0	+ 0·2	0	- 6	35	- 8	4	0	0·26	-0·35	7	0	14	0
2. ENGLAND, N.E.	51	25	41·6	34·4	38·2	+ 0·2	0	- 7	27	- 9	4	+ 1	0·25	-0·15	6	- 2	11	- 4
3. ENGLAND, EAST	54	27	41·9	35·4	38·8	+ 1·3	0	- 8	22	- 19	3	- 1	0·35	-0·06	3	- 6	6	-11
4. MIDLAND COUNTIES	52	25	40·1	34·1	37·2	- 0·2	0	- 9	34	- 7	3	- 1	0·15	-0·37	2	- 6	4	-11
5. ENGLAND, SOUTH	54	30	43·2	38·7	41·1	+ 1·5	3	- 10	13	- 17	3	- 1	0·29	-0·23	6	- 4	11	- 7
Western																		
6. SCOTLAND, WEST	50	30	42·3	35·5	39·1	- 0·1	1	- 8	24	- 5	3	- 2	0·10	-1·04	4	- 2	8	- 4
7. ENGLAND, N.W.	53	24	41·3	34·4	38·0	- 1·3	0	- 10	28	- 1	2	- 2	0·08	-0·59	10	+ 4	20	+ 8
8. ENGLAND, S.W.	53	28	42·8	37·9	40·4	- 1·0	2	- 15	15	- 6	3	- 1	0·38	-0·56	4	- 5	8	-10
9. IRELAND, NORTH	49	26	43·3	36·7	40·1	- 0·5	4	- 9	20	- 3	4	0	0·20	-0·63	6	- 2	12	- 4
10. IRELAND, SOUTH	53	27	45·7	38·2	42·1	- 0·4	17	- 4	11	- 7	5	0	1·28	+0·21	9	- 1	17	- 2
11. ENGLISH CHANNEL	54	32	48·0	43·2	45·7	0·0	26	- 2	0	- 7	5	0	0·91	+0·14	8	- 5	13	-10

THE SEASON (**Winter**). Aggregates, &c., for the Period of 4 Weeks, December 1st to December 28th, 1907.

0. SCOTLAND, NORTH	58	22	*	*	*	*	20	- 14	99	- 23	22	+ 1	5·11	-0·19	19	+ 2	11	+ 1
Eastern																		
1. SCOTLAND, EAST	52	18	*	*	*	*	12	- 18	127	- 29	19	+ 2	3·05	+1·01	29	+ 1	16	+ 1
2. ENGLAND, N.E.	56	25	*	*	*	*	44	+ 9	95	- 30	19	+ 5	2·47	+0·45	29	- 5	14	- 2
3. ENGLAND, EAST	58	27	*	*	*	*	66	+ 27	71	- 72	17	+ 1	2·58	+0·75	44	+ 5	21	+ 3
4. MIDLAND COUNTIES	57	25	*	*	*	*	60	+ 18	90	- 57	19	+ 4	3·17	+1·05	30	- 3	14	- 1
5. ENGLAND, SOUTH	57	27	*	*	*	*	90	+ 27	31	- 70	18	+ 2	3·46	+1·15	51	+ 11	24	+ 5
Western																		
6. SCOTLAND, WEST	53	25	*	*	*	*	41	- 6	71	- 27	22	+ 3	5·70	+0·86	15	- 12	8	- 6
7. ENGLAND, N.W.	56	24	*	*	*	*	57	+ 8	69	- 30	19	+ 2	4·08	+1·07	31	+ 3	15	+ 1
8. ENGLAND, SW	56	23	*	*	*	*	92	+ 12	35	- 35	22	+ 4	5·69	+1·62	32	- 9	15	- 4
9. IRELAND, NORTH	54	26	*	*	*	*	63	+ 8	61	- 26	23	+ 3	4·05	+0·62	31	- 3	15	- 2
10. IRELAND, SOUTH	56	24	*	*	*	*	96	+ 5	54	- 12	24	+ 5	5·47	+1·35	35	- 7	17	- 4
11. ENGLISH CHANNEL	58	32	*	*	*	*	162	+ 33	0	- 19	21	+ 1	3·74	+0·24	49	- 3	22	- 1

THE YEAR.—Aggregates, &c., for the period of 52 Weeks, December 30th, 1906, to December 28th, 1907.

0. SCOTLAND, NORTH	87	8	*	*	*	*	1871	-241	727	- 69	267	+20	50·62	-1·69	1118	+ 9	25	0
Eastern																		
1. SCOTLAND, EAST	84	5	*	*	*	*	2233	-120	839	- 89	212	+ 9	31·91	+1·14	1309	- 17	30	- 1
2. ENGLAND, N.E.	82	15	*	*	*	*	2635	- 6	667	- 18	196	+12	24·34	-0·43	1483	+ 37	34	+ 1
3. ENGLAND, EAST	81	10	*	*	*	†	3041	- 6	628	-136	182	+ 3	21·48	-2·81	1569	- 8	36	0
4. MIDLAND COUNTIES	82	10	*	*	*	*	2796	-166	706	- 92	194	+17	28·55	+2·34	1397	- 5	32	0
5. ENGLAND, SOUTH	81	16	*	*	*	*	3197	-133	492	- 57	179	+ 7	26·61	-0·30	1634	+ 37	37	+ 1
Western																		
6. SCOTLAND, WEST	85	16	*	*	*	*	2427	-155	557	- 47	228	+14	51·08	+2·88	1247	-113	28	- 3
7. ENGLAND, N.W.	81	15	*	*	*	*	2655	-169	548	+ 1	221	+24	36·61	+1·84	1370	- 12	31	0
8. ENGLAND, S.W.	82	5	*	*	*	*	2947	-246	457	+ 35	222	+25	41·05	+2·37	1519	- 41	35	- 1
9 IRELAND, NORTH	81	16	*	*	*	*	2525	-179	416	- 87	251	+19	40·41	+2·09	1220	- 60	28	- 1
10. IRELAND, SOUTH	85	11	*	*	*	*	3055	- 97	369	- 16	247	+39	38·97	-1·25	1330	-117	30	- 3
11 ENGLISH CHANNEL	81	21	*	*	*	*	3735	- 57	96	- 36	197	-15	30·42	-2·24	1765	-132	40	- 3

† At districts Nos. 0, 1, and 6, 20 years.

December 22-28, 1907.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Mean for the Week. Of Highest each day.	Mean for the Week. Of Lowest each day.	Mean for the Week. For whole of each day.	Difference of Mean for the Week from Average. 35 Yrs.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Accumulated Heat for the Week (in Day-degrees). Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 35 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week.
		°	°	°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — Islands.	†Sumburgh Head (Deerness) ..												4·1	— 1·9	10	— 5
	Stornoway	46	32	43·0	36·4	39·8	+ 0·2	3	21	2	0·17	— 1·12	10·4	+ 5·1	24	+ 12
0. SCOTLAND, N. — Mainland.	Wick	46	28	43·0	34·0	38·7	+ 0·1	3	30	5	0·13	— 0·52	*	*	*	*
	†Lairg (Strathpeffer) ..	46	27	39·2	30·7	35·1	— 0·2	0	48	3	0·23	— 0·60	5·1	— 1·8	11	— 4
	Glencarron	47	33	41·6	35·0	38·4	+ 1·6	0	25	2	0·85	— 1·52	*	*	*	*
	Fort Augustus	47	33	42·7	35·7	39·3	+ 1·1	2	23	2	0·22	— 1·08	4·1	+ 1·3	9	+ 3
	Fort William	47	35	43·2	36·8	40·1	+ 0·3	3	20	3	0·17	— 2·06	*	*	*	*
	(West Linton)												5·9	—	12	—
1. SCOTLAND, E.	Nairn	44	30	39·9	32·4	36·3	— 1·1	0	40	3	0·11	— 0·35	13·6	—	30	—
	Aberdeen	48	32	42·3	35·0	38·8	+ 0·7	1	26	5	0·23	— 0·40	5·5	— 3·3	12	— 7
	†Balmoral (Crathes) ..	41	28	38·9	31·0	35·1	+ 0·6	0	48	5	0·65	— 0·07	6·2	—	14	—
	†Crieff (Balruddery) ..	48	30	39·9	32·7	36·4	— 1·0	0	39	2	0·11	— 0·86	6·7	—	15	—
	†Leith (Edinburgh) ..	50	33	42·7	37·0	40·0	+ 0·7	2	19	4	0·09	— 0·34	2·1	— 2·9	5	— 6
	Marchmont	47	29	39·1	31·4	35·4	— 1·3	0	46	5	0·35	— 0·28	5·0	— 3·5	10	— 7
	(Saltburn)												4·5	—	9	—
2. ENGLAND, N.E. — Northern part.	†Alnwick Castle (Cockle Park)	50	29	43·1	34·4	38·9	+ 0·2	3	28	4	0·42	— 0·21	8·2	—	17	—
	†Shields (Newcastle)	50	32	43·4	35·3	39·5	+ 0·4	4	25	4	0·42	— 0·04	0·8	— 4·7	2	— 10
	Durham	51	29	40·6	33·2	37·1	— 0·6	0	34	4	0·55	— 0·14	7·6	— 1·8	16	— 4
	Scarborough	49	33	43·6	35·4	39·7	+ 0·5	4	26	4	0·41	— 0·09	3·6	—	7	—
	York	50	25	40·9	33·4	37·3	— 0·9	0	33	4	0·18	— 0·27	4·4	— 1·3	9	— 3
2. ENGLAND, N.E. — Southern part.	Spurn Head	47	33	41·9	36·9	39·5	— 0·1	0	18	2	0·09	— 0·31	*	*	*	*
	†Lincoln (Skegness)	49	28	40·1	32·8	36·6	— 1·0	0	38	4	0·09	— 0·32	4·6	—	9	—
	†Fulbeck (Rauceby)	50	29	39·2	33·7	36·6	— 0·9	0	38	3	0·04	— 0·36	4·3	—	8	—
3. ENGLAND, E. — Northern part.	Hillington	49	27	40·4	32·5	36·6	— 0·8	0	38	3	0·14	— 0·33	2·0	— 7·5	4	— 15
	†Yarmouth (Lowestoft) ..	49	29	42·1	35·4	38·9	+ 0·5	0	24	4	0·61	+ 0·18	1·8	—	4	—
	Geldeston	50	27	41·6	33·3	37·6	— 0·9	0	31	6	0·50	+ 0·08	2·2	— 8·8	4	— 17
	(Cromer)												3·5	—	7	—
3. ENGLAND, E. — Southern part.	Cambridge	51	29	41·3	33·7	37·7	— 0·2	0	30	2	0·33	— 0·03	1·7	— 7·8	3	— 15
	Felixstowe	49	29	42·6	36·3	39·6	+ 0·4	2	21	3	0·39	—	4·0	—	8	—
	Clacton-on-Sea	49	34	*42·4	37·3	40·0	+ 1·0	1	18	2	0·19	—	6·6	—	13	—
	Rothamsted	51	30	40·8	34·2	37·6	— 0·3	0	31	2	0·37	— 0·15	3·9	— 5·7	7	— 11
	†Shoeburyness (Southend) ..	49	32	42·9	37·6	40·4	+ 1·2	3	17	2	0·20	— 0·15	6·5	—	12	—
	London, Westminster	54	33	43·0	38·7	40·9	+ 1·4	3	13	2	0·45	+ 0·01	2·6	— 0·6	5	— 1
	(Dunmow)															
4. MIDLAND COUNTIES. — Eastern part.	Harrogate	47	29	38·5	32·7	35·7	— 1·9	0	44	4	0·12	— 0·42	3·2	—	6	—
	†Bawtry (Worksop)	—	25	—	30·7	—	—	—	—	3	0·05	— 0·38	4·7	— 2·4	9	— 5
	Nottingham	49	29	39·3	33·1	36·3	— 2·1	0	40	3	0·03	— 0·42	1·0	—	2	—
	Raunds	*50*	*29*	*39·5*	*33·4*	*36·6*	*— 1·3*	*0*	*38*	*3*	*0·11*	—	*	*	*	*
	Birmingham, Edgbaston ..	47	30	39·2	33·7	36·6	— 1·6	0	38	2	0·08	— 0·42	0·0	—	0	—
	Oxford	51	32	41·1	36·0	38·7	— 0·4	0	23	2	0·29	— 0·16	0·9	— 8·8	2	— 17
4. MIDLAND COUNTIES. — Western part.	†Cheadle (Sheffield) ..	45	27	39·0	31·6	35·5	— 1·8	0	46	3	0·10	— 0·54	1·9	—	4	—
	Shrewsbury	50	29	42·1	33·4	37·9	— 2·1	0	31	3	0·17	—	*	*	*	*
	Hereford	48	30	40·0	34·4	37·3	— 1·5	0	33	4	0·15	— 0·39	*	*	*	*
	Cirencester	49	30	39·4	34·6	37·1	— 1·0	0	34	2	0·30	— 0·30	2·1	— 7·0	4	— 13
	Bath	52	32	42·4	37·3	40·0	— 0·2	1	18	3	0·21	— 0·43	3·1	—	6	—
	(Margate)												10·5	+ 0·1	20	0
5. ENGLAND, S.	Kew	52	33	43·1	37·2	40·3	+ 1·1	3	19	2	0·66	+ 0·23	5·8	— 2·7	11	— 5
	Wisley, Surrey	52	32	42·3	38·0	40·2	+ 0·6	1	15	2	0·41	—	8·9	—	17	—
	†Swarraton (Ventnor) ..	52	31	41·2	37·4	39·4	+ 1·0	0	18	3	0·42	— 0·25	0·7	— 10·7	1	— 19
	Tunbridge Wells	50	30	41·4	36·3	39·0	+ 0·8	0	21	1	0·02	— 0·59	9·0	— 0·7	17	— 1
	†Dungeness (Littlestone) ..	51	33	43·0	39·6	41·4	+ 0·8	3	10	2	0·09	— 0·39	—	—	—	—
	Hastings	51	31	42·0	38·3	40·7	+ 0·3	3	14	2	0·16	— 0·44	13·5	+ 0·7	25	+ 1
	Southampton	54	31	44·5	39·0	41·9	+ 1·4	7	13	3	0·25	— 0·43	3·5	— 7·3	7	— 14
	†Portland Bill (Worthing) ..	52	33	47·1	43·7	45·5	+ 2·9	25	0	5	0·32	—	4·4	—	8	—
	(Eastbourne)												6·2	— 5·7	12	— 11
6. SCOTLAND, W.	Laudale	50	35	43·9	38·0	41·1	+ 0·5	5	16	3	0·12	— 1·08	*	*	*	*
	Poltalloch	*48*	*32*	*43·0*	*34·9*	*39·1*	*— 0·3*	*3*	*27*	*3*	*0·69*	*— 0·55*	*	*	*	*
	Glasgow	48	33	41·6	36·1	39·0	+ 0·3	0	21	2	0·13	— 0·74	0·1	— 3·7	0	— 8
	Rothesay	*49*	*36*	*43·0*	*37·9*	*40·6*	*+ 0·5*	*3*	*16*	*3*	*0·16*	*— 0·21*	*	*	*	*
	Colmonell	*49*	*? 32*	*41·6*	*34·7*	*38·3*	*— 1·8*	*0*	*26*	*3*	*0·04*	*— 1·03*	*	*	*	*
	Dumfries	49	31	41·4	34·3	38·0	— 0·7	0	28	4	0·13	— 0·81	*	*	*	*
	Cally	46	30	40·9	33·0	37·1	— 1·3	0	34	2	0·06	— 1·07	*	*	*	*
	Douglas, Isle of Man	50	32	43·8	36·3	40·2	— 1·2	5	22	2	0·05	— 0·95	8·1	— 1·4	16	— 3
7. ENGLAND, N.W.	Aspatria	48	32	41·2	35·1	38·3	+ 0·6	0	26	4	0·13	— 0·67	16·1	—	33	—
	Newton Rigg	47	30	39·3	32·3	35·9	— 1·0	0	43	3	0·09	— 0·74	11·1	+ 3·4	23	+ 7
	Stonyhurst	47	30	40·4	33·8	37·2	— 1·1	0	34	1	0·03	— 0·95	4·8	— 1·4	9	— 3
	Blackpool	48	29	40·7	32·8	36·9	— 2·0	0	36	3	0·10	— 0·56	5·3	— 1·4	10	— 3
	Manchester, Prestwich ..	48	28	40·5	32·3	36·6	— 1·8	0	38	2	0·05	— 0·69	5·1	+ 1·3	10	+ 3
	†Liverpool Obs. (Hoylake) ..	49	32	41·0	35·1	38·2	— 1·9	0	27	2	0·04	— 0·49	10·2	—	20	—
	†Hawarden Bridge (Southport)	52	24	41·1	33·7	37·6	— 3·1	0	31	3	0·18	— 0·27	8·8	+ 1·6	17	+ 3
7. NORTH WALES	Llandudno	53	32	43·8	39·1	41·5	— 0·4	5	12	1	0·01	— 0·63	15·6	+ 6·6	31	+ 13
	†Holyhead (Aberdovey) ..	50	33	44·4	36·7	40·7	— 2·0	7	21	2	0·09	— 0·71	16·1	—	31	—
	Bettws-y-Coed	50	28	41·0	33·3	37·3	— 4·6	0	33	2	0·05	—	8·2	—	16	—
	(Aberystwyth)												12·9	—	24	—
8. SOUTH WALES	Llangammarch Wells	49	29	38·6	31·6	35·2	— 4·3	0	48	2	0·29	—	5·7	—	11	—
	Pembroke	52	31	43·9	38·4	41·3	— 2·6	5	15	3	0·10	— 0·77	5·5	— 4·7	10	— 9
	Cardiff	48	31	40·1	35·4	37·8	— 3·0	0	29	3	0·28	— 0·71	1·0	—	2	—
8. ENGLAND S.W.	Clifton	51	31	41·5	36·5	39·1	— 1·4	0	20	?2	0·25	— 0·47	2·6	—	5	—
	†Shaftesbury (Marlborough)	49	28	40·0	36·6	38·4	0·0	0	25	4	0·41	— 0·29	3·7	— 4·6	7	— 9
	†Arlington (Newquay)	48	29	42·0	37·6	39·9	— 0·3	0	15	1	0·25	— 1·08	2·2	— 9·0	4	— 16
	Cullompton	50	31	43·4	38·4	41·0	+ 1·8	4	14	3	0·31	— 0·54	1·5	— 7·4	3	— 14
	Plymouth	53	32	47·1	42·0	44·7	+ 1·7	19	0	5	0·70	— 0·23	4·7	— 6·3	9	— 12
	Falmouth	52	38	48·5	44·4	46·5	+ 2·2	32	0	7	0·79	— 0·47	2·5	— 9·8	5	— 18
	(Torquay)															
9. IRELAND, N. — Western part.	Malin Head	47	34	42·1	37·3	39·8	— 1·9	0	17	2	0·16	— 0·53	*	*	*	*
	Edenfel												*	*	*	*
	Blacksod Point	49	35	44·6	40·1	42·4	— 0·7	11	5	6	0·38	— 0·58	*	*	*	*
	Markree Castle	49	29	43·4	34·1	38·9	— 0·7	4	30	5	0·14	— 0·82	5·5	— 2·3	11	— 5
9. IRELAND, N. — Eastern part.	Armagh	48	26	43·0	34·8	39·1	— 0·1	3	27	3	0·13	— 0·48	6·3	— 2·6	13	— 5
	Donaghadee	48	33	43·6	37·1	40·5	— 0·8	4	19	3	0·20	— 0·45	*	*	*	*
10. IRELAND, S. — Eastern part.	†Dublin, City (Phœnix Park) ..	51	34	44·6	37·3	41·1	— 0·7	7	19	4	0·32	— 0·18	5·6	— 6·4	11	— 13
	Kilkenny	49	27	43·3	36·0	39·8	— 1·2	4	23	4	0·32	— 0·43	*	*	*	*
	Waterford	51	30	46·3	36·6	41·6	+ 0·3	12	23	5	1·76	+ 0·79	*	*	*	*
10. IRELAND, S. — Western part.	Birr Castle	49	29	43·7	35·4	39·7	— 0·2	5	25	3	0·19	— 0·49	11·0	+ 1·3	21	+ 3
	Foynes	50	32	44·2	37·1	40·8	— 1·4	6	20	7	1·22	+ 0·27	*	*	*	*
	Cahir	*50*	*27*	*44·1*	*35·4*	*39·9*	*— 2·0*	*6*	*26*	*7*	*0·95*	—	*	*	*	*
	Killarney	53	32	46·9	39·2	43·2	— 0·2	20	8	6	1·51	— 0·06	*	*	*	*
	Valencia	52	36	49·4	42·6	46·1	+ 0·8	29	0	7	2·09	+ 0·69	12·3	+ 2·8	23	+ 5
	†Roches Point (Ballinacurra) ..	50	35	47·0	41·4	44·3	+ 0·3	19	2	7	2·79	+ 1·61	6·5	—	12	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	53	43	50·3	46·4	48·4	+ 1·5	45	0	7	1·45	+ 0·53	4·2	— 7·0	8	— 13
	†Jersey, St. Aubins (St. Heliers)	53	32	47·1	40·3	43·8	0·0	20	5	4	0·53	— 0·29	8·9	— 5·1	16	— 9
	Guernsey	54	35	46·7	43·0	44·9	+ 0·7	20	0	3	0·74	— 0·23	9·3	— 0·9	17	— 2

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
Additional Sunshine Totals for the week: Ramsgate, 14·3 hrs., 27 %; Brighton, 8·4 hrs. (− 2·7), 16 % (− 5 %); Bournemouth, 1·8 hrs., 3 %; Bognor, 2·6 hrs., 5 %; Rhyl, 18·7 hrs., 37 %; Tenby, 4·6 hrs. (− 6·3), 9 % (− 12 %).
Values printed in italic type will not be used for the calculation of "District Means" until the commencement of 1908.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	41·9
	Crathes	3	15	36·9	40·2
	Balmoral	6	20	—	—
	Marchmont ..	6	25	37·3	—
2.	Cockle Park	4	26	38·9	41·7
	York	—	—	40·5	43·7
	Hull	3	21	38·9	44·0
	Lincoln	—	—	40·0	44·0
3.	Lowestoft	1	26	41·0	44·9
	Cambridge	3	27	42·0	45·5
	Dunmow	—	—	—	—
	Clacton-on-Sea ..	3	28	43·6	47·8
4.	Harrogate	5	22	40·4	42·0
	Sheffield	5	22	39·7	44·0
	— — ..				
	Birmingham	4	27	41·8	45·9
	Nottingham	3	29	38·7	43·0
	— — ..				
5.	Kew	3	29	42·3	46·3
	Canterbury	3	30	44·4	47·0
	Portsmouth	0	31	45·3	48·8
	Wisley	3	28	42·8	46·3
6.	Glasgow	4	29	—	—
	Rothesay	—	—	—	43·4
	Dumfries	5	27	—	—
	Douglas	2	27	—	—
7.	Newton Rigg ..	7	23	40·3	42·7
	Southport	7	24	38·4	42·9
	Manchester City ..	1	30	40·8	45·0
	Bettws-y-Coed ..	2	26	40·7	45·3
	— — ..				
8.	Llangammarch Wells	5	24	42·4	46·6
	— — ..				
	Bath	—	—	44·5	48·3
	Plymouth	0	32	46·2	—
9.	Armagh	2	25	41·7	44·9
	Markree Castle ..	4	23	—	—
10.	Dublin, Trin. Coll. ..	2	21	42·3	45·5
11.	Guernsey, Brooklyn	0	32	46·9	49·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	44	44·7
	Kirkwall	44	43	43·5
	Wick	[46]	[45]	[45·4]
SCOTLAND, E.	Cromarty	42	40	40·8
	Pennan Bay	44	40	42·2
	Aberdeen, Cove Bay ..	42	39	41·6
ENGLAND, N.E.	Burnmouth, Berwick ..	45	42	43·6
	Scarborough	?52	?48	?49·9
ENGLAND, E.	Shipwash Lightship ..	47	41	45·7
	Margate	46	41	44·8
ENGLAND, S.E.	Eastbourne‡	48	38	43·1
SCOTLAND, W.	Lamlash	48	41	45·8
	Ballantrae	45	41	43·8
ENGLAND, N.W.	Port Erin	50	44	47·5
ENGLAND, S.W.	Newquay	49	47	48·4
	Plymouth‡	51	48	49·8
	Salcombe	51	46	49·7
IRELAND, N.W.	Sheephaven	48	45	46·3
	Ballyglass	48	39	45·0
IRELAND, S.W.	Cleggan	48	42	46·0
	Seafield	48	41	46·3
IRELAND, E.	Kingstown‡			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

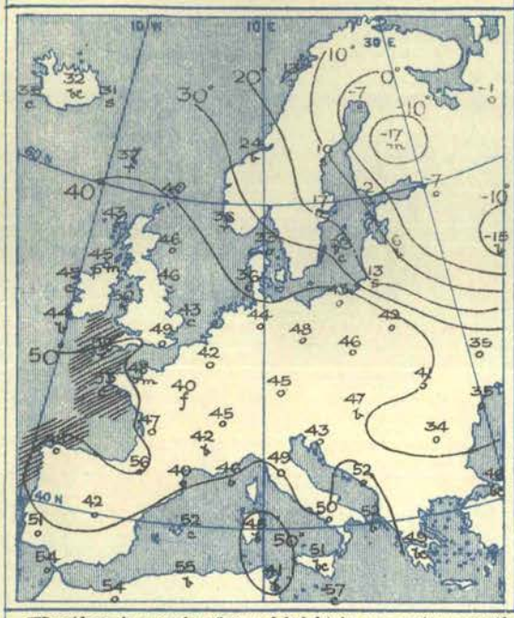
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

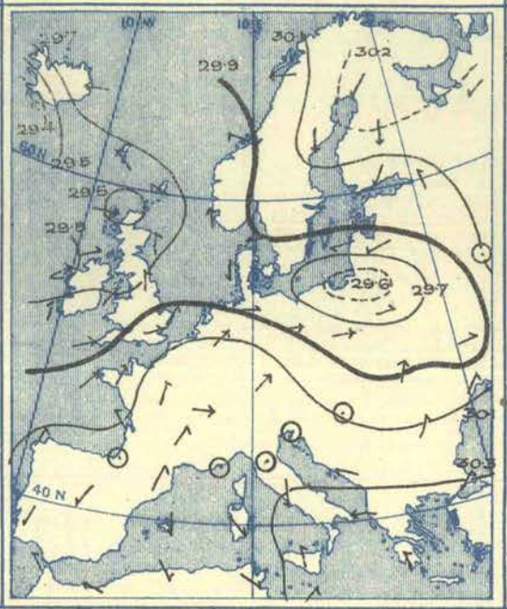
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 22nd December, 1907.

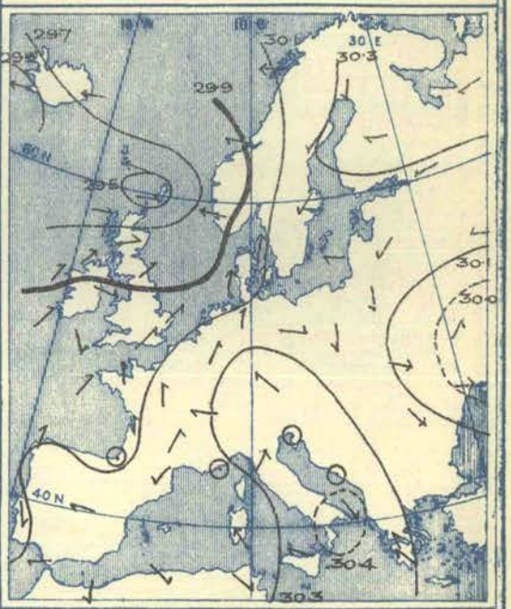
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in some extreme southern regions and on the Riviera; overcast in nearly all other localities, with snow at Turin, over the Baltic district and at Seydisfjord, and rain at some stations in Brittany, the west and north of our Islands, and at Skudesnaes and Thorshavn. Slight rain experienced later in almost all parts of these Islands, and large quantities of snow in various parts of Finland and Scandinavia.

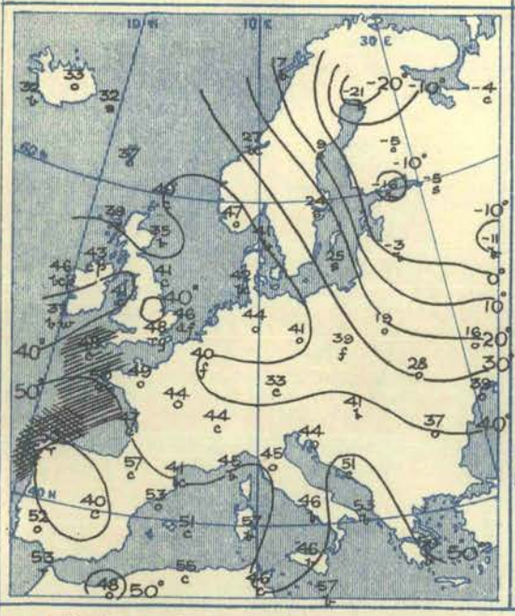
Temperature risen in most Russian and German localities, fallen in England and France, risen in Scotland, changed little and rather irregularly elsewhere. Readings in morning ranging from 57° at Malta and between that value and 50° over a large portion of the Mediterranean, to about 45° in the central countries, to below 32° over the north-east of our area generally, and to below zero in the extreme north and east; lowest figures –15° at Moscow and 17° at Kuopio. Maxima during day above 50° in various parts of England and Wales and at nearly all the French stations, and about 60° in the far south of our area. Severe frost throughout in Russia and the north and north-east; thermometer not rising above –6° at Haparanda and –8° at St. Petersburg.

Wind in morning light and anticyclonic both in the south and north of our area. A complete cyclonic circulation shown round east Prussia, and a similar movement over these Islands and their immediate vicinity. Moderate to fresh generally, but strong South-Easterly winds prevailing between south Norway and Iceland and a gale at Reykjavik. Wind veering to the North-Westward later on our south-west coasts, but little other change over this country.

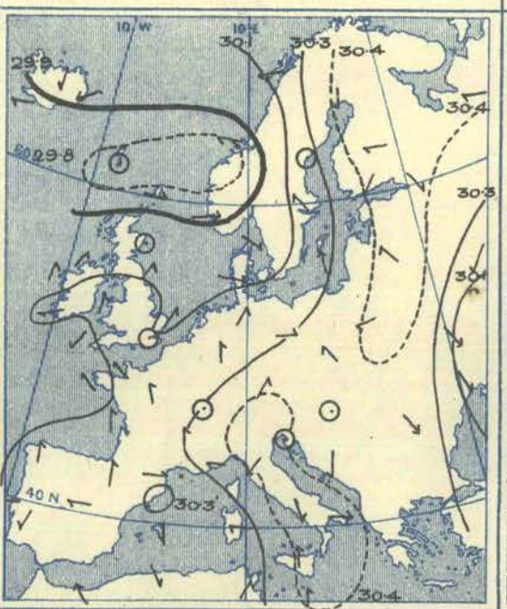
Barometer in morning above 30·3 ins. over southern Italy and south-eastern Europe, and above 30·2 ins. in Lapland. Below 29·6 ins. in a depression having its minimum near Memel, and less than 29·5 ins. in two other disturbances situated respectively to the northward of the Hebrides and off the north-west of Ireland. Both high pressure systems becoming accentuated by eveuing, German depression travelling away quickly eastwards and that off Scotland moving on to Shetland. A shallow secondary appearing over the extreme north-west of England and the Bristol Channel. A brisk increase of pressure taking place along our most western coasts.

Monday, 23rd December, 1907.

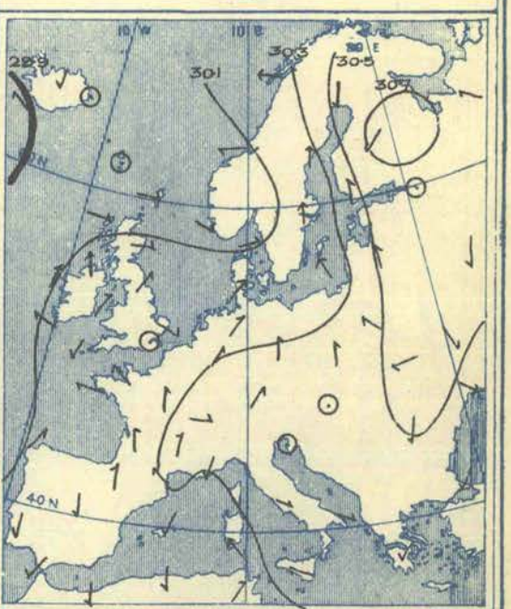
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of Ireland, Scotland, the extreme north of Europe, and in Italy, the south of France, and Greece; generally overcast elsewhere, with rain in the south-east of England, on our extreme north-west coasts, as well as at Corunna, San Fernando, Frankfort, and Copenhagen, and snow in the south of Sweden and at Seydisfjord. Slight rain later in the north and south of these Islands, in Denmark, the Low Countries, and Germany, and snow in many parts of Scandinavia.

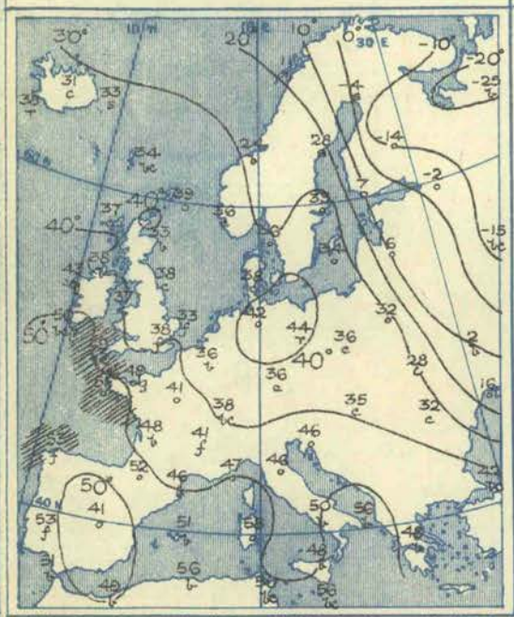
Temperature fallen generally, risen in Denmark and southern Scandinavia. Readings in morning 10° to 20° below zero in the far north and north-east of our area, above 40° in various parts of these Islands and the western countries of the Continent, and above 50° in the extreme south; highest readings 57° at Biarritz, Malta, and Cagliari. Maxima during day 68° at La Calle, above 60° in several other southern districts, and about 50° in the south and south-west of these Islands. Very severe frost continuing in the north and east of our area.

Wind in morning generally light or moderate in force and very variable in direction; mainly South-Westerly to Westerly over the United Kingdom and Easterly in the regions lying to the northward, Southerly to South-Easterly in France, and Northerly in Russia and Italy. No change affecting a large area during day, but winds becoming very light and variable over England, with a tendency towards East in the south.

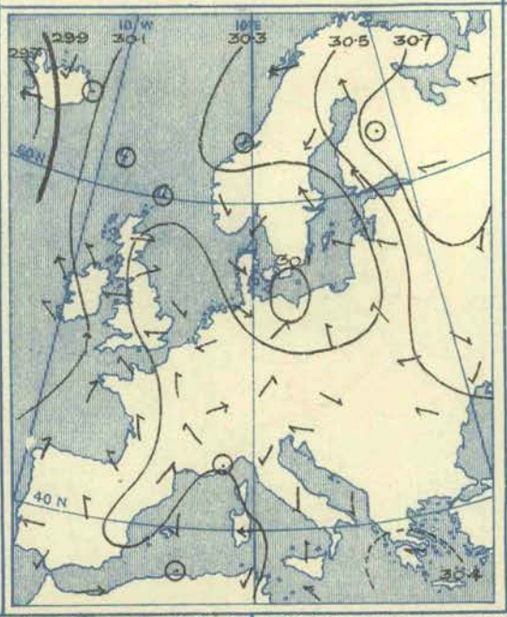
Barometer in morning above 30·4 ins. in a band of high pressure extending from Arctic Russia to the south of Poland, and also in another narrow band covering Italy and stretching to Bavaria. Below 29·8 ins. in the south of Russia and also in a large, shallow depression between Norway and the Faeröe. High pressure systems undergoing some modification in form during day, and barometer rising to 30·7 ins. in the centre of Finland. Russian disturbance travelling beyond our area and that to the northward of these Islands becoming partially dispersed. A secondary high pressure system forming over England.

Tuesday, 24th December, 1907.

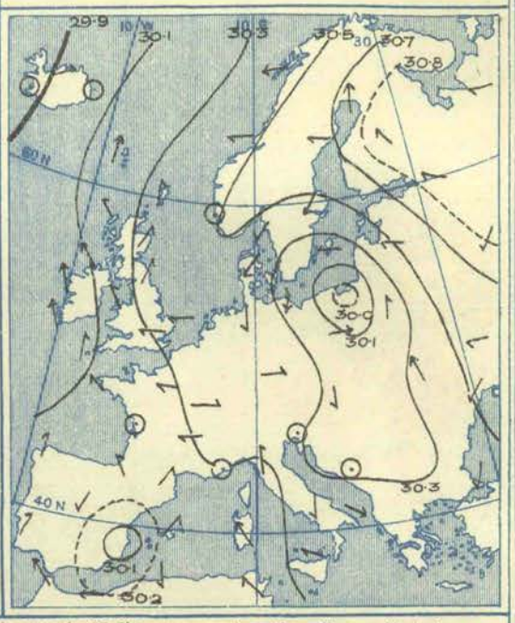
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Norway, Scotland, and in various parts of Holland and southern Europe, as well as on the coast of Algeria. Overcast in most other regions, with rain in Germany and snow in the north of Sweden. Much fog prevailing over England and also on the Portuguese coast. Some rain later in Ireland and Wales and also in Portugal, and rather large quantities of rain or snow in Germany. Slight snow experienced in Austria-Hungary, Poland, and Sweden.

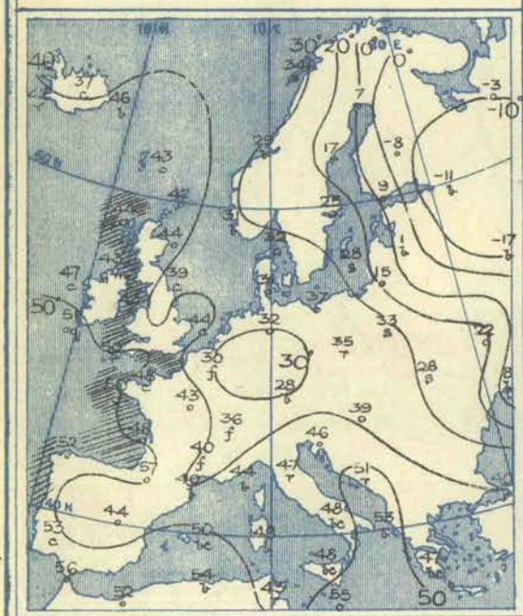
Temperature fallen generally—quickly in England. Risen in Ireland, Sweden, and the north of Norway. Readings in morning as low as –25° at Archangel and below zero over the north-east of Europe as a whole. About the freezing point over a large portion of Great Britain, above 40° over most of France and Germany, and above 50° in Portugal and on many shores of the Mediterranean, and as high as 58° at Cagliari. Thermometer rising later to 66° on the coast of Algeria and to about 60° over a large portion of the Mediterranean region, but maxima lower than of late in this country, and much below 32° in the east and north-east of our area. Highest reading at St. Petersburg 1°.

Wind in morning very variable over the Mediterranean and southern Europe, Easterly over England, Southerly to South-Easterly over our western and north-western districts, and Easterly in Iceland. A cyclonic circulation shown around the Baltic and an anticyclonic movement over Russia. Scarcely any force stronger than a moderate breeze except on our most western and south-western coasts. Not much change during day, but current becoming rather more South-Easterly on our north-west coast.

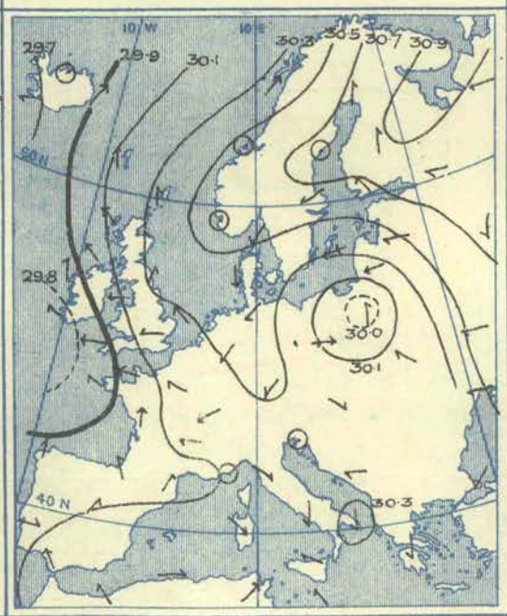
Barometer in morning above 30·7 ins. in a large high pressure system in the north-east of our area; below 30·1 ins. in a shallow depression having its minimum near Rugen, and less than 29·7 ins. to the westward of Iceland. German depression moving slowly eastwards during day, and Atlantic low pressure system continuing to encroach slowly over our western districts. Anticyclone maintaining its position and barometer rising to 30·9 ins. at Archangel by 6 p.m. A small minimum appearing near Alicante.

Wednesday, 25th December, 1907.

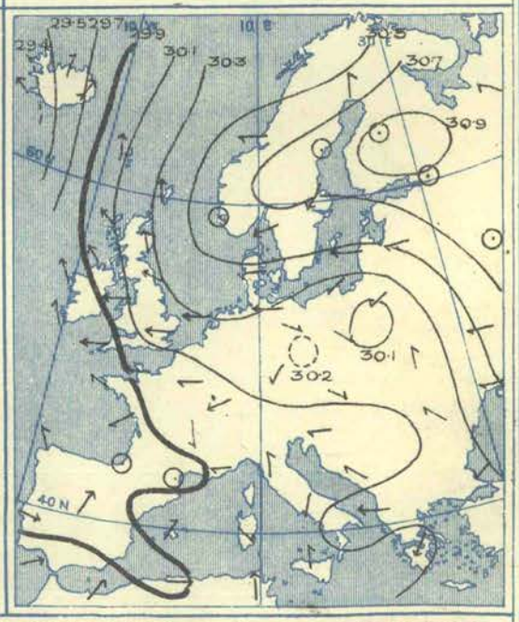
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Russia and on most shores of the Mediterranean, but rainy at Tunis, Lesina, at some stations towards the north of Italy, as well as at the Helder, and at some of our own western stations, and rain or snow falling in various parts of central Europe and Scandinavia. Rain experienced later in the west and north of these Islands and in Brittany, and heavier amounts in various parts of Spain and Portugal, the south of France, and north of Italy.

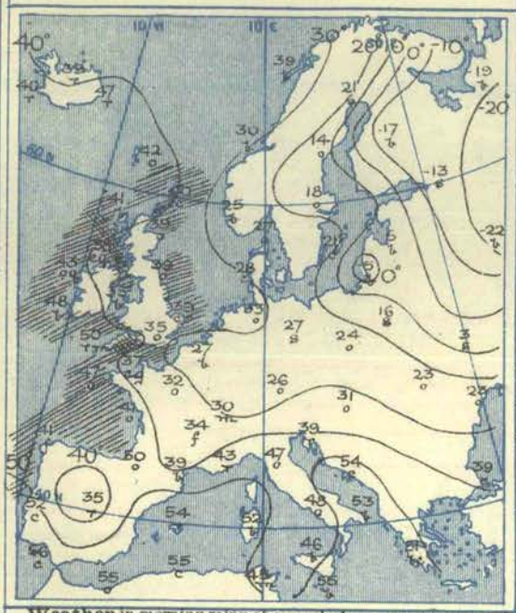
Temperature risen over the United Kingdom and the far north of Europe and in Iceland, fallen or changed irregularly elsewhere. Morning readings nearly all above 40° in this country and as high as 50° in the south-west. Below 50° in most Mediterranean regions, but as high as 55° at Malta and 56° at San Fernando. Frost prevailing over the east and north of our area and in a large part of Germany; thermometer below zero over the greater portion of Russia, and as low as –17° at Moscow and –20° at Kharkoff. Maxima during day below 45° over most of England and generally below 40° over the central countries, but a little above 60° in the south of Italy and Algeria, as well as at some Spanish stations. Severe frost throughout in the north and north-east; maximum at St. Petersburg –8°.

Wind in morning moderate to fresh from East over England and the north of France, and moderate to strong from between South and South-East in Ireland and Scotland. A cyclonic circulation, strong to a gale, prevailing around Poland and an anticyclonic movement over northern Europe. Easterly and South-Easterly currents increasing in force later over our Islands and their neighbourhood, and attaining gale force on some parts of the coast by evening or during the night. A strong Southerly wind setting in in Iceland.

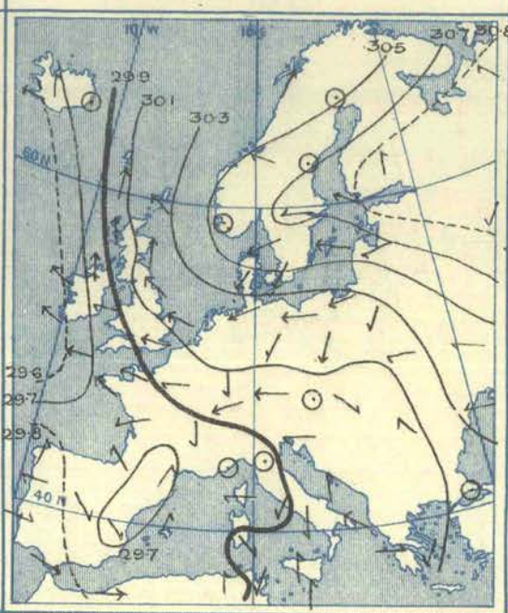
Barometer in morning ranging from above 30·9 ins. in a very large high pressure system over Finland and northern Russia, to less than 30·0 ins. in a depression over Poland, and to below 29·8 ins. off our south-west coasts and over the western half of Iceland. Pressure increasing slowly during day over the whole of Scandinavia and decreasing over Iceland, the United Kingdom, France, and the Spanish Peninsula. Polish depression becoming rather less deep.

Thursday, 26th December, 1907.

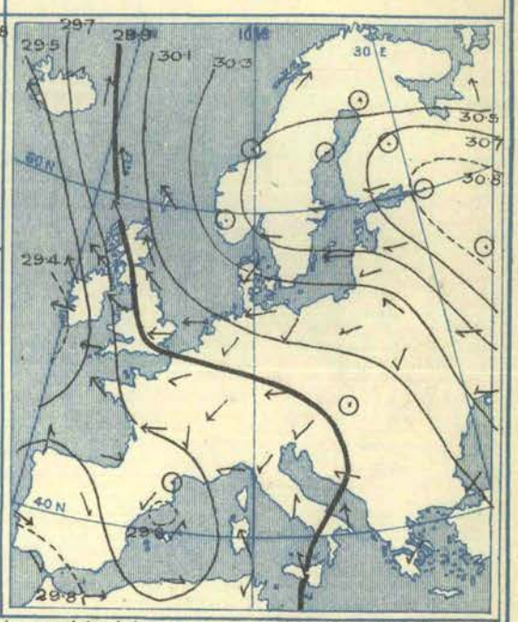
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy at several of our own western and south-western stations, as well as in Iceland and various places in southern Europe, and snow falling at Kieff and in some parts of central Europe; dry elsewhere, but much cloud prevailing except in Russia and in the extreme south of our area. Heavy rain later in the south of Ireland, as much as 1·59 in. at Valencia, and slight sleet or snow in some parts of Great Britain. Very heavy rain experienced over the south-east of France and Italy—more than 3·0 ins. at Cette and 1·6 in. and 1·4 in. respectively at Rome and Leghorn. About an inch of rain falling at Nemours and smaller amounts in Spain and Portugal.

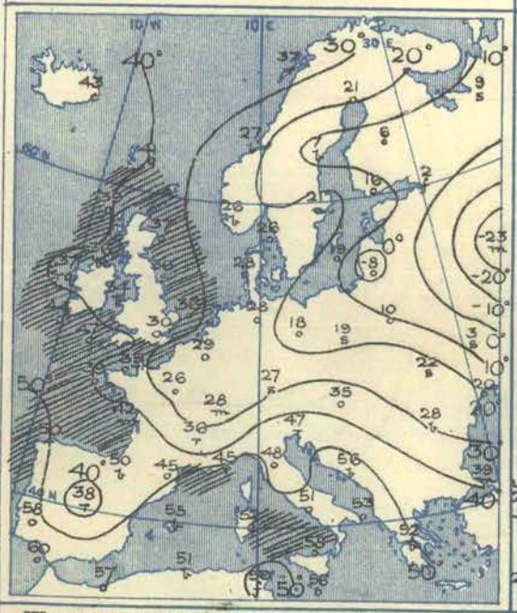
Temperature fallen generally, risen in the far north of Scandinavia; readings in morning ranging from about 55° in the south of Spain, Algeria, and Malta to a little above 32° over the inland districts of England, to below that figure in most parts of central Europe, and to much below zero in Russia and Finland, lowest value -22° at Moscow. Severe frost continuing all day in the east and north-east, and maxima below 32° in various parts of central Europe. Thermometer remaining below 40° in many parts of these Islands and France, but exceeding 50° in southern Europe, and touching 60° in places.

Wind in morning fresh or strong to a gale from the Eastward over England and the Channel and from the South-Eastward over Ireland and Scotland. Moderate to strong from some Easterly point over the central countries and from the South-Westward in the north of Norway. A feeble cyclonic circulation prevailing over the western portion of the Mediterranean and Spain. Little change during day; strong winds and gales continuing over our Islands and their vicinity.

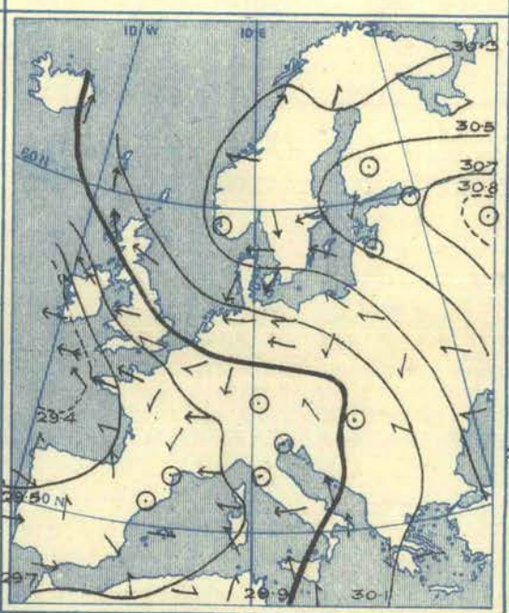
Barometer in morning above 30·8 ins. in an anticyclone having its maximum over Finland and northern Russia; below 29·7 ins. in a shallow depression over the east of Spain, and less than 29·6 ins. in a very large disturbance to the westward of the United Kingdom. Pressure decreasing during day over this country and central and south-western Europe, and gradients for Easterly and South-Easterly winds becoming steeper. Little modification taking place within the region of highest pressure.

Friday, 27th December, 1907.

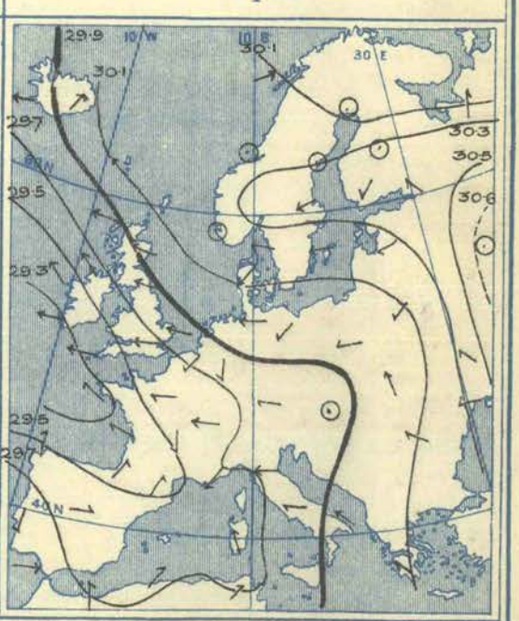
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or quite overcast generally, but fine and bright in various parts of Norway and at some places in the far south. Rainy at several Continental stations between latitude 40° and 45° as well as at Bodö and in the west and south of Ireland, and snow falling in central and north-eastern England and in a few localities in eastern and north-eastern Europe. A little snow or sleet falling later in various parts of Great Britain and as much as 1·6 in. of rain at Roche's Point. More than an inch of rain experienced in the west and south of France and considerable quantities at some Spanish and Italian stations.

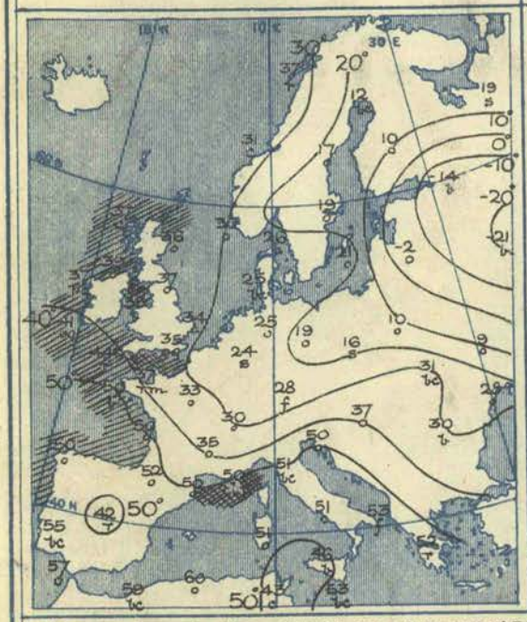
Temperature risen in the extreme north-east and south-west of our area, fallen generally elsewhere. Morning readings -23° at Moscow and much below 32° over nearly the whole of central, eastern, and northern Europe. Not much above the freezing point at some of our own stations and below 40° in Brittany. Increasing to above 50° in the far south, to 58° at Lisbon and Malta, and 60° at San Fernando. Maxima during day between 34° and 36° over a large portion of England, and much below 32° in the east and north of Europe. Thermometer only rising to -11° at St. Petersburg. A few readings of about 60° occurring in the far south.

Wind in morning still strong to a gale from East over England, the Channel, and the south of Ireland, and from South-East in Scotland and the north of Ireland. Light or moderate from some Easterly point over the central countries, high from South at Palermo, and strong from the Westward in Portugal. Very little change occurring during day.

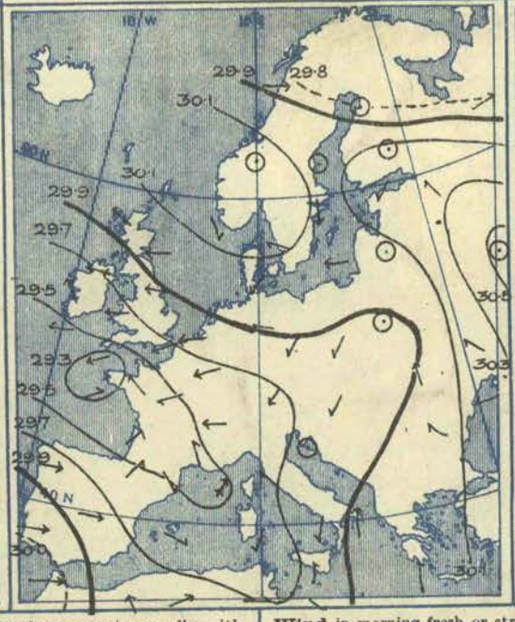
Barometer in morning above 30·8 ins. in an anticyclone over Russia and relatively high over Scandinavia; below 29·4 ins. in a large depression off our south-west coasts. No great alteration taking place in the general distribution later in day. Falling to below 29·3 ins. by evening in the south-west of Ireland and the extreme north-west of France, and rising rather decidedly in the south-west of the Spanish Peninsula. Russian anticyclone either receding eastwards or decreasing somewhat in intensity.

Saturday, 28th December, 1907.

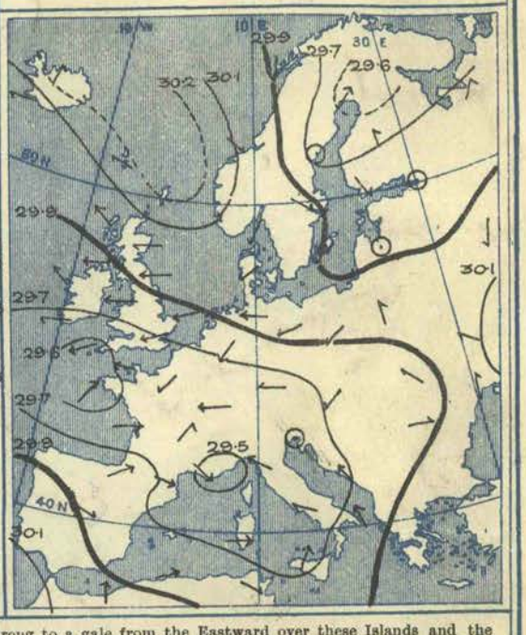
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning fine and bright over a large part of Russia; overcast generally, with rain in some southern localities and also at Bodö and in the west and south of Ireland, hail at Wick, and snow at Archangel and in Germany. A thunderstorm prevailing at Cape Sicié. Heavy rains later in Italy and the west, and south of France and as much as 0·7 in. at Scilly; a large waterspout seen at the Scilly Isles during the afternoon passing away westwards. Slight snow showers falling in various parts of Great Britain and some rain in Ireland.

Temperature showing no general change. Morning readings between 32° and 35° over most of this country, much below 32° over the central and northern countries, and below zero in Russia, 50° or above on the coast of Portugal and on most shores of the Mediterranean. Highest value 60° at Algiers. Maxima during day between 34° and 35° over a large part of the United Kingdom, rather below 32° in some French localities, and several degrees below it in central Europe. Severe frost continuing in the east and north. Thermometer rising to or exceeding 60° in the far south of our area.

Wind in morning fresh or strong to a gale from the Eastward over these Islands and the Channel; fresh or strong from the Westward over the Spanish Peninsula and the south of France, with a gale at Cape Sicié. Light or moderate anticyclonic breezes prevailing over the east and north of Europe. Very little change during day, but force of Easterly current decreasing over these Islands during night.

Barometer in morning above 30·5 ins. over central Russia, above 30·1 ins. over a considerable portion of Scandinavia, and about 30·0 ins. in the south of Spain. Below 29·3 ins. in a depression having its minimum between Scilly and Brest. Pressure giving way very decidedly later over central Russia and in the north of Sweden, and increasing over our Islands and France. South-western depression becoming less deep without materially changing its position. A fresh disturbance appearing over Lapland, and gradients for Northerly winds forming over Scandinavia.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached clouds o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907.										
December 22nd, 10.5 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature F.	47°	43°	35°					Two kites, 78 sq. ft., 6,000 ft. wire. Nearly overcast with alto-stratus. Clouds not reached.
		Humidity	95%	90%	85%					
		Wind Velocity, m. per hr.	SW by S, 20	SW, 30	WSW, 35					
December 25th, 10.13 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature F.	41°	41°						One kite, 54 sq. ft., 4,000 ft. wire. Max. height 2,100 ft. Inversion 3° at 1,300 ft. Clouds of various types, with sunshine at intervals.
		Humidity	85%	55%						
		Wind Velocity, m. per hr.	E, 30	ESE 40						
December 26th, 11.20 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature F.	33°	26°						Two kites, 48 sq. ft., 4,000 ft. wire. Clear sky, a few light fleecy clouds not reached by kite.
		Humidity	70%	? %						
		Wind Velocity, m. per hr.	E, 30	E by N, 33						
December 26th, 12.4 p.m. to 12.31 p.m.	Ditcham Park, Petersfield, 550 ft.	Temperature F.								Pilot balloon; one theodolite; uniform rate of ascent of 500 ft. per min. assumed. Small detached clouds. At 3,500 metres NE by E, 13; at 4,000 metres NE by E ½ E, 11.
		Humidity								
		Wind Velocity, m. per hr.	E ½ N, 15	E ½ S, 25	E by S ½ S, 39	SE by E ½ E, 25	E ½ N, 10	ENE, 8	N ? 5	
December 27th, 11.6 a.m. to 12.15 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	32°	26°	[18°]					One kite, 77 sq. ft. Max. wire 5,040 ft. Max. height 3,230 ft. Sky overcast. Cloud level 3,000 ft. Anemometer trace failed, but pull on kite about 60lbs. at all heights.
		Humidity	62%	70%	[82%]					
		Wind Velocity, m. per hr.	E by N, —	E ½ S, —	[ESE, —]					
December 27th, 11.0 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	32°	25°	17°					One kite, 45 sq ft. Wind 35; temp. 30° at 1,000 ft. Cloud level at 3,300 ft., with sudden change from ESE to E and increase of strength. Overcast, with occasional soft hail.
		Humidity	90%	100%	100%					
		Wind Velocity, m. per hr.	E, 6	ESE, 40	E, 45					
December 28th, 11.10 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	32°	25°						One kite, 66 sq. ft. 1,800 ft. wire. Max. height 2,200 ft. Overcast. Clouds not reached. Extremely irregular gusty wind.
		Humidity	85%	95%						
		Wind Velocity, m. per hr.	ENE, 13	ENE, 45						

Note.—The measurements of the velocity of Easterly surface winds at Pyrton Hill are unsatisfactory, as the station is sheltered from the East and NE.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1907.

Thirtieth Year.
VOL. XXIV. [*New Series.*] } APPENDIX I. FIRST QUARTER—JANUARY TO MARCH. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE FORTY-TWO YEARS, 1866 TO 1907.

YEARS.	0. SCOTLAND, N.		Eastern Districts. 1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	RAINFALL.																													
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	12·6	—	9·6	—	5·4	—	5·7	—	6·9	—	8·5	—	7·2	—	12·6	—	11·8	—	13·7	—	11·8	—	11·0	—	12·2	—	—	—	9·7
1871-1875	—	9·1	—	7·8	—	4·9	—	4·4	—	6·6	—	7·1	—	6·2	—	11·1	—	10·4	—	13·7	—	9·5	—	10·5	—	11·0	—	—	—	8·6
1876-1880	—	9·5	—	7·2	—	5·3	—	5·7	—	6·2	—	7·2	—	6·3	—	11·2	—	9·5	—	9·9	—	9·2	—	10·0	—	10·0	—	—	—	8·2
1881-1885	65	9·9	49	6·2	45	5·2	44	5·1	45	6·4	43	6·4	45	5·9	58	12·5	50	8·8	53	9·7	61	9·4	58	11·9	56	10·5	57	8·2	51	8·2
1886-1890	66	12·2	52	6·2	47	5·2	47	4·7	43	5·2	44	5·4	47	5·3	53	10·7	50	6·9	49	8·3	56	8·4	50	9·5	52	8·8	57	7·1	50	7·1
1891-1895	64	13·9	48	6·8	49	5·1	48	4·6	45	4·9	43	5·3	47	5·3	53	10·5	47	6·7	47	8·1	55	7·8	49	8·5	50	8·3	52	7·1	49	6·8
1896	68	17·8	50	4·8	39	4·1	47	4·9	45	4·3	42	4·4	45	4·5	61	12·1	53	8·3	50	6·9	56	9·2	51	8·8	54	9·1	53	4·9	50	6·8
1897	65	11·0	57	6·9	59	6·4	57	6·9	54	7·9	52	9·2	56	7·5	58	11·0	61	7·9	65	13·0	66	9·6	61	11·8	62	10·7	70	11·6	59	9·1
1898	77	18·7	52	4·8	44	3·4	41	3·5	39	2·9	37	3·5	43	3·6	62	10·5	50	7·3	48	6·0	61	7·8	44	6·6	53	7·6	56	4·4	48	5·6
1899	60	13·7	53	8·4	48	5·3	46	4·6	44	6·8	38	5·9	46	6·2	57	13·1	51	8·9	49	12·5	62	8·9	51	12·5	54	11·2	48	8·1	50	8·7
1900	66	11·7	54	8·8	54	7·8	55	7·5	50	8·6	50	9·3	53	8·4	54	12·2	52	9·2	56	13·5	60	8·2	56	9·9	55	10·6	65	12·4	54	9·5
Means for 5 years, 1896-1900.	67	14·6	53	6·7	49	5·4	49	5·5	46	6·1	44	6·5	48	6·0	58	11·8	53	8·3	54	10·4	61	8·7	53	9·9	56	9·8	58	8·3	52	7·9
1901	64	10·6	52	6·5	55	5·6	52	5·1	49	6·6	45	6·1	51	6·0	50	10·0	51	6·7	47	9·3	59	8·1	50	8·6	51	8·5	63	8·0	51	7·3
1902	68	14·6	50	4·7	41	3·7	42	3·2	38	4·6	35	4·9	41	4·2	60	13·3	53	6·5	47	7·6	63	8·7	49	9·1	54	9·0	51	6·0	48	6·6
1903	75	24·6	60	12·6	47	5·1	44	4·7	48	7·4	54	6·8	51	7·3	75	22·6	63	11·9	64	12·2	74	14·2	70	15·7	69	15·3	66	8·8	60	11·3
1904	62	13·0	56	7·5	54	5·4	54	5·9	61	7·7	60	9·0	57	7·1	57	14·1	56	9·6	62	12·3	67	10·6	67	13·1	62	11·9	67	12·8	60	9·5
1905	78	17·3	56	6·5	39	3·0	47	3·8	46	4·6	48	6·1	47	4·8	64	13·3	56	7·4	51	8·7	70	10·0	63	10·3	61	9·9	59	8·0	54	7·4
Means for 5 years, 1901-1905.	69	16·0	55	7·6	47	4·6	48	4·5	48	6·2	48	6·6	49	5·9	61	14·7	56	8·4	54	10·0	67	10·3	60	11·4	60	11·0	61	—	55	8·5
1906	74	17·5	55	7·3	52	5·3	57	6·8	55	7·1	62	8·9	56	7·1	58	14·1	57	11·2	61	13·8	73	11·3	67	10·9	63	12·3	70	10·0	60	9·7
1907	70	17·2	43	5·2	42	3·3	39	3·6	36	3·5	34	3·6	39	3·8	55	11·8	49	7·1	49	6·1	62	9·2	55	5·7	54	8·0	44	4·3	47	5·9
Means for 42 years, 1866-1907.	—	12·5	—	7·2	—	5·1	—	5·0	—	6·0	—	6·6	—	6·0	—	11·9	—	8·9	—	10·5	—	9·4	—	10·2	—	10·2	—	—	—	8·1
	MEAN TEMPERATURE.																													
Means for 5 years, 1866-1870.	38°8		39°1		38°9		39°9		39°9		40°7		39°7		40°1		40°5		43°1		40°6		42°1		41°3		°		40°5	
1871-1875	40°2		40°0		39°7		39°9		40°5		41°2		40°3		40°8		41°6		44°0		41°6		43°7		42°3		—		41°3	
1876-1880	38°6		38°2		39°2		39°4		39°8		40°6		39°4		39°9		40°2		43°2		40°8		43°6		41°5		—		40°5	
1881-1885	38°8		38°9		39°4		39°8		39°9		41°4		39°9		40°2		40°5		42°7		41°3		43°1		41°6		44°9		44°8	
1886-1890	38°1		38°0		38°3		37°4		37°8		38°8		38°1		39°3		38°9		40°2		40°5		41°8		40°1		43°2		39°1	
1891-1895	37°4		36°8		37°9		37°6		37°8		39°0		37°8		38°8		39°1		40°4		40°1		41°7		40°0		43°5		38°9	
1896	40°9		40°4		41°2		40°9		41°4		42°7		41°3		42°3		42°5		43°9		43°4		45°5		43°5		46°7		42°4	
1897	37°5		37°4		39°4		39°8		39°8		41°7		39°6		39°5		40°4		42°5		40°6		42°8		41°2		45°7		40°4	
1898	40°1		40°3		41°1		40°5		40°7		42°2		41°0		42°0		42°1		43°0		42°7		44°3		42°8		45°8		41°9	
1899	38°4		38°0		40°3		41°1		40°7		42°7		40°6		40°6		41°8		43°4		41°7		43°8		42°3		46°8		41°5	
1900	36°6		35°9		37°6		38°1		37°8		39°9		37°9		38°2		38°6		40°7		39°0		40°1		39°3		44°6		38°6	
Means for 5 years, 1896-1900.	38°7		38°4		39°9		40°1		40°1		41°8		40°1		40°5		41°1		42°7		41°5		43°3		41°8		45°9		41°0	
1901	38°0		37°0		38°0		37°2		37°3		38°5		37°6		39°0		38°5		39°7		40°0		40°8		39°6		43°2		38°6	
1902	37°8		37°4		39°5		39°7		39°8		41°2		39°5		39°7		40°2		42°1		41°2		43°2		41°3		45°3		40°4	
1903	39°7		39°7		42°2		43°3		42°4		44°1		42°3		42°0		42°9		44°6		42°4		44°3		43°2		47°0		42°8	
1904	38°4		37°4		38°9		39°2		38°9		40°2		38°9		39°5		39°4		41°6		40°2		42°0		40°5		44°2		39°7	
1905	39°6		39°9		41°0		41°1		40°9		42°0		41°0		41°6		41°8		42°8		42°3		44°1		42°5		45°8		41°8	
Means for 5 years, 1901-1905.	38°7		38°3		39°9		40°1		39°9		41°2		39°9		40°4		40°6		42°2		41°2		42°9		41°5		45°1		40°7	
1906	37°4		37°8		39°7		40°2		40°0		41°0		39°7		40°0		40°2		41°5		41°0		43°0		41°1		44°8		40°4	
1907	38°5		38°4		39°3		38°9		39°3		39°9		39°2		40°2		40°0		40°6		41°6		43°1		41°1		44°2		40°2	
Means for 42 years, 1866-1907.	38°6		38°5		39°2		39°3		39°5		40°6		39°4		40°0		40°2		42°2		41°0		42°8		41°2		—		40°3	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY-TWO YEARS, 1866 TO 1907.

		Eastern Districts.	Western Districts.	Eastern and Western Districts combined.
Rainfall	Driest	Ins. 3·6 in 1898	Ins. 6·3 in 1891	Ins. 5·4 in 1891
	Wettest	9·0 in 1872	15·3 in 1903	12·0 in 1872
Temperature	Coldest	34°1 in 1895	36°2 in 1895	35°2 in 1895
	Warmest	42°8 in 1882	44·6 in 1882	43°7 in 1882

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM DECEMBER 30TH, 1906, FOR THE FIRST QUARTER, 1907.

1907. — FOUR WEEKS OR FIVE WEEKS ENDING.	0. SCOTLAND, N.		Eastern Districts. 1. SCOTLAND E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Jan. 26 -	21	21	11	11	9	9	8	8	9	9	8	8	9	9	17	17	15	15	16	16	18	18	14	14	16	16	16	16	13	13
Feb. 23 -	23	44	17	28	16	25	17	25	14	23	13	21	15	24	19	36	17	32	18	34	23	41	20	34	19	35	17	33	17	30
Mar. 30 -	26	70	15	43	17	42	14	39	13	36	13	34	14	38	19	55	17	49	15	49	21	62	21	55	19	54	11	44	17	47
RAINFALL.—AMOUNTS IN INCHES.																														
Jan. 26 -	4·77	4·77	1·08	1·08	0·58	0·58	1·19	1·19	0·94	0·94	1·24	1·24	1·01	1·01	2·85	2·85	1·60	1·60	2·11	2·11	2·01	2·01	1·33	1·33	1·98	1·98	1·54	1·54	1·50	1·50
Feb. 23 -	6·93	11·70	2·24	3·32	1·58	2·16	1·38	2·57	1·48	2·42	1·47	2·71	1·63	2·64	4·61	7·46	2·48	4·08	2·59	4·70	3·01	5·02	2·38	3·71	3·01	4·99	2·05	3·59	2·32	3·82
Mar. 30 -	5·52	17·22	1·87	5·19	1·13	3·29	1·07	3·64	1·09	3·51	0·85	3·56	1·20	3·84	4·35	11·81	3·03	7·11	1·42	6·12	4·18	9·20	1·99	5·70	2·99	7·98	0·75	4·34	2·10	5·92
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Jan. 26 -	39	39	37	37	31	31	21	21	34	34	44	44	33	33	39	39	38	38	47	47	49	49	76	76	50	50	82	82	42	42
Feb. 23 -	1	40	2	39	10	41	10	31	14	48	14	58	10	43	11	50	9	47	20	67	22	71	57	133	24	74	56	138	17	59
Mar. 30 -	74	114	125	164	163	204	141	172	167	215	154	212	150	193	127	177	129	176	151	218	148	219	182	315	147	221	176	314	149	208
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Jan. 26 -	127	127	164	164	145	145	161	161	158	158	124	124	150	150	89	89	105	105	106	106	74	74	78	78	90	90	31	31	120	120
Feb. 23 -	188	315	201	365	179	324	180	341	180	338	164	288	181	331	160	249	159	264	146	252	123	197	101	179	138	228	49	80	159	279
Mar. 30 -	119	434	128	493	116	440	139	480	144	482	111	399	128	459	91	340	101	365	105	357	53	250	35	214	77	305	16	96	103	382
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Jan. 26 -	19	19	40	40	61	61	60	60	47	47	51	51	52	52	18	18	36	36	50	50	30	30	39	30	33	33	48	48	43	43
Feb. 23 -	61	80	97	137	92	153	79	139	84	131	87	138	88	140	85	103	91	127	89	139	77	107	84	114	85	118	86	134	87	130
Mar. 30 -	113	193	172	309	210	363	207	346	187	318	211	349	197	337	140	243	179	306	176	315	132	239	142	256	154	272	215	349	175	305
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Jan. 26 -	9	9	20	20	29	29	27	27	21	21	22	22	24	24	9	9	17	17	22	22	14	14	14	14	15	15	20	20	20	20
Feb. 23 -	25	18	39	30	36	32	30	28	32	27	33	28	34	29	33	22	35	27	33	28	30	23	32	23	33	25	32	26	33	27
Mar. 30 -	28	23	43	36	52	41	51	39	46	36	52	39	49	38	35	28	44	35	43	35	33	27	35	28	38	31	53	38	43	35

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1906. The whole of the values for 1878-1907, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Dec. 30, 1906" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Eastern Districts" the values for District 0, and in the "Means for Western Districts" the values for the "English Channel" are not included.

W. N. SHAW, Director.

Meteorological Office, 63, Victoria Street, London, S.W.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1907.

Thirtieth Year. Vol. XXIV. [*New Series.*] } APPENDIX I. SECOND QUARTER—APRIL TO JUNE. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE SECOND QUARTER OF THE FORTY-TWO YEARS, 1866 TO 1907.

YEARS.	Eastern Districts.														Western Districts.												11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.					
	RAINFALL.																													
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	8·8	—	5·7	—	5·5	—	4·5	—	5·3	—	5·1	—	5·2	—	7·1	—	6·5	—	7·0	—	7·5	—	7·2	—	7·1	—	—	—	6·2
1871-1875	—	8·5	—	6·5	—	5·5	—	5·5	—	6·4	—	6·4	—	6·1	—	7·3	—	7·4	—	7·9	—	7·5	—	6·2	—	7·3	—	—	—	6·7
1876-1880	—	6·3	—	6·9	—	7·1	—	7·2	—	7·7	—	7·1	—	7·2	—	8·5	—	7·8	—	9·0	—	8·3	—	9·8	—	8·7	—	—	—	8·0
1881-1885	51	6·7	44	5·2	43	5·8	39	5·9	41	6·5	38	5·6	41	5·8	47	8·1	42	7·0	44	7·2	52	7·2	46	7·7	46	7·4	45	5·6	44	6·6
1886-1890	54	7·0	43	5·7	40	4·8	41	5·1	41	6·4	40	5·7	41	5·5	45	8·8	41	6·5	42	6·5	46	7·1	46	7·5	44	7·3	46	5·9	43	6·4
1891-1895	48	7·1	42	5·5	40	5·2	36	4·8	35	5·1	32	3·8	37	4·9	42	6·7	40	6·0	35	5·3	46	6·6	41	7·1	41	6·3	36	4·7	39	5·6
1896	54	9·0	42	5·0	37	3·2	33	3·8	30	3·8	28	3·6	34	3·8	37	6·3	35	4·4	24	2·8	44	6·1	34	3·8	35	4·7	29	2·8	35	4·3
1897	49	8·7	47	8·0	39	5·4	39	5·3	40	6·7	35	5·4	40	6·2	54	9·9	47	8·0	44	8·0	55	10·6	53	10·0	51	9·3	49	6·3	46	7·7
1898	57	9·9	50	7·0	50	6·2	46	6·7	48	6·6	46	6·2	48	6·5	55	8·7	49	8·8	47	8·9	64	9·4	51	10·3	53	9·2	50	7·6	51	7·9
1899	51	8·9	52	8·4	47	7·1	40	6·0	42	6·4	37	5·3	44	6·6	51	12·1	48	8·5	43	8·1	52	10·0	46	8·7	48	9·5	41	6·3	46	8·1
1900	58	10·0	49	6·0	39	4·9	42	5·0	41	5·5	37	5·1	42	5·3	54	11·9	44	6·6	45	8·5	59	9·4	53	9·7	51	9·2	43	5·0	47	7·3
Means for 5 years, 1896-1900.	54	9·3	48	6·9	42	5·4	40	5·4	40	5·8	37	5·0	41	5·7	50	9·8	45	7·3	41	7·3	55	9·1	47	8·5	48	8·4	42	5·6	45	7·1
1901	50	8·3	45	6·4	34	4·1	36	4·2	35	4·3	31	4·1	36	4·6	45	10·3	40	5·1	35	7·1	49	8·3	41	7·8	42	7·7	38	6·8	39	6·2
1902	59	8·2	54	6·9	47	6·3	49	7·0	48	6·5	50	6·7	50	6·7	55	9·1	52	6·7	49	7·3	63	8·1	55	7·4	55	7·7	49	7·3	53	7·2
1903	50	9·2	46	5·2	40	5·8	33	7·2	38	7·5	35	8·1	38	6·8	41	7·5	42	5·8	37	8·5	50	6·1	43	7·4	43	7·1	43	5·9	41	7·0
1904	59	13·1	50	6·5	38	4·5	36	3·5	38	4·4	40	4·9	40	4·8	53	10·2	48	5·8	42	6·5	58	7·1	49	7·0	50	7·3	51	5·4	45	6·1
1905	53	6·3	45	4·6	40	4·2	43	6·5	42	5·6	40	6·7	42	5·5	38	7·1	36	5·9	44	6·9	44	5·7	44	6·4	41	6·4	43	5·5	42	6·0
Means for 5 years, 1901-1905.	54	9·0	48	5·9	40	5·0	39	5·7	40	5·7	39	6·1	41	5·7	46	8·8	44	5·9	41	7·3	53	7·1	46	7·4	46	7·2	45	6·2	44	6·5
1906	56	8·6	49	7·7	45	5·3	33	5·1	39	5·2	31	5·0	39	5·7	47	8·8	44	6·5	41	7·7	57	7·8	51	7·2	48	7·6	35	4·7	44	6·7
1907	66	10·4	58	8·5	55	8·1	53	6·6	59	8·0	51	7·4	55	7·7	60	13·0	62	9·7	61	10·9	65	11·4	66	10·2	63	11·0	53	7·3	59	9·4
Means for 42 years, 1866-1907.	—	7·9	—	6·1	—	5·6	—	5·5	—	6·1	—	5·6	—	5·8	—	8·3	—	6·8	—	7·3	—	7·6	—	7·7	—	7·5	—	—	—	6·7
	MEAN TEMPERATURE.																													
Means for 5 years, 1866-1870.	48°5		50°4		49°8		52°7		53°1		53°1		51°8		51°3		51°8		53°9		52°5		53°0		52°5		—		52°2	
1871-1875	48·2		49·8		49·6		51·0		52·0		52·1		50·9		51·1		51·3		53·0		51·6		53·3		52·1		—		51·5	
1876-1880	47·2		48·9		49·4		51·1		51·3		51·9		50·5		50·2		50·5		52·0		50·1		52·0		51·0		—		50·8	
1881-1885	46·8		49·5		50·0		51·8		51·8		52·9		51·2		50·0		50·8		51·6		50·6		51·6		50·9		52·7		51·1	
1886-1890	47·6		49·2		49·5		51·4		51·5		52·6		50·8		50·1		50·8		51·9		50·7		52·1		51·1		52·8		51·0	
1891-1895	48·6		49·4		50·1		52·1		52·4		53·6		51·5		51·0		51·9		53·0		51·7		53·1		52·1		51·4		51·8	
1896	49·8		51·7		51·8		52·6		53·4		54·2		52·7		52·5		53·5		54·4		53·1		54·4		53·6		55·4		53·2	
1897	47·4		48·3		49·6		52·1		52·0		53·7		51·1		49·9		51·2		53·1		50·0		52·5		51·3		54·4		51·2	
1898	48·4		49·2		49·9		51·4		51·3		52·6		50·9		50·7		51·3		52·2		51·0		52·4		51·5		53·7		51·2	
1899	47·7		48·6		49·9		51·7		51·8		53·3		51·1		50·2		51·5		52·9		50·9		52·9		51·7		54·7		51·4	
1900	48·6		49·2		50·4		51·9		51·7		52·5		51·1		51·0		51·3		51·9		51·4		52·7		51·7		51·7		51·4	
Means for 5 years, 1896-1900.	48·4		49·4		50·3		51·9		52·0		53·3		51·4		50·9		51·8		52·9		51·3		53·0		52·0		54·0		51·7	
1901	48·9		49·4		50·7		51·8		52·1		52·8		51·4		50·6		51·8		52·9		50·5		52·1		51·6		54·1		51·5	
1902	46·1		46·6		48·1		49·8		49·4		50·4		48·9		48·6		49·3		50·3		48·8		50·4		49·5		52·2		49·2	
1903	47·3		48·4		49·1		51·0		50·6		51·9		50·2		49·9		50·7		51·9		50·3		52·0		51·0		53·2		50·6	
1904	48·5		49·4		51·5		52·8		51·9		53·1		51·7		50·6		51·5		52·4		50·6		52·3		51·5		53·9		51·6	
1905	47·8		49·0		50·5		52·3		51·7		52·9		51·3		50·7		51·3		52·4		51·2		53·3		51·8		53·8		51·6	
Means for 5 years, 1901-1905.	47·7		48·6		50·0		51·5		51·1		52·2		50·7		50·1		50·9		52·0		50·3		52·0		51·1		53·4		50·9	
1906	46·8		48·5		50·4		51·3		51·2		51·6		50·6		50·0		50·6		51·2		49·5		51·5		50·6		52·8		50·6	
1907	46·7		47·1		49·7		51·5		50·4		51·5		50·0		48·7		49·5		50·3		48·7		50·4		49·5		52·3		49·8	
Means for 42 years, 1866-1907.	47·8		49·3		49·9		51·7		51·9		52·7		51·1		50·5		51·2		52·5		51·0		52·4		51·5		—		51·3	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY-TWO YEARS, 1866 TO 1907.

		Eastern Districts.	Western Districts.	Eastern and Western Districts combined.
Rainfall	Driest	Ins. 3·1 in 1870 and 1893	Ins. 4·2 in 1887	Ins. 3·8 in 1893
	Wettest	9·4 in 1879	11·0 in 1907	9·8 in 1879
Temperature	Coldest	48°4 in 1879	49°1 in 1879 and 1885	48°8 in 1879
	Warmest	54·0 in 1868 and 1893	55·2 in 1893	54·6 in 1893

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM DECEMBER 30TH, 1906, FOR THE SECOND QUARTER, 1907.

1907. — FOUR WEEKS OR FIVE WEEKS ENDING.	0. SCOTLAND, N.		Eastern Districts. 1. SCOTLAND E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Apr. 27 -	20	90	14	57	13	55	15	54	15	51	15	49	14	52	12	67	14	63	17	66	18	80	20	75	16	70	16	60	15	62
May 25 -	19	109	19	76	19	74	19	73	19	70	18	67	19	71	19	86	18	81	18	84	18	98	18	93	18	88	16	76	19	81
June 29 -	27	136	25	101	23	97	19	92	25	95	18	85	22	93	29	115	30	111	26	110	29	127	28	121	28	116	21	97	25	106
RAINFALL.—AMOUNTS IN INCHES.																														
Apr. 27 -	2·43	19·65	1·84	7·03	1·49	4·78	1·89	5·53	1·97	5·48	2·97	6·53	2·03	5·87	2·77	14·58	1·37	8·48	4·05	10·17	2·29	11·49	2·87	8·57	2·67	10·65	2·73	7·07	2·35	8·27
May 25 -	2·90	22·55	1·87	8·90	2·66	7·44	2·23	7·76	2·57	8·05	2·03	8·56	2·27	8·14	3·83	18·41	2·37	10·85	2·73	12·90	3·36	14·85	2·79	11·36	3·01	13·66	2·95	10·02	2·64	10·91
June 29 -	5·09	27·64	4·81	13·71	3·92	11·36	2·47	10·23	3·45	11·50	2·35	10·91	3·40	11·54	6·41	24·82	5·92	16·77	4·08	16·98	5·77	20·62	4·54	15·90	5·34	19·00	1·61	11·63	4·37	15·28
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Apr. 27 -	101	215	114	278	137	341	160	332	170	385	168	380	150	343	146	323	147	323	149	367	127	346	159	474	145	366	182	496	148	356
May 25 -	154	369	158	436	202	543	253	585	228	613	251	631	218	561	187	510	204	527	215	582	171	517	205	679	196	562	262	758	207	563
June 29 -	252	621	281	717	393	936	469	1054	413	1026	461	1092	403	964	334	844	383	910	407	989	345	862	425	1104	379	941	475	1233	391	954
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Apr. 27 -	59	493	78	571	48	488	31	511	44	526	31	430	47	506	49	389	40	405	32	389	34	284	31	245	37	342	0	96	42	424
May 25 -	23	516	20	591	13	501	7	518	14	540	4	434	11	517	15	404	13	418	7	396	8	292	11	256	11	353	0	96	11	435
June 29 -	6	522	8	599	0	501	0	518	0	540	0	434	2	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Apr. 27 -	144	337	151	460	141	504	141	487	125	443	158	507	143	480	134	377	144	450	153	468	113	352	142	398	137	409	172	521	140	445
May 25 -	130	467	100	560	140	644	181	668	136	579	161	668	144	624	137	514	131	581	146	614	160	512	170	568	149	558	161	682	147	592
June 29 -	141	608	163	723	165	809	168	836	156	735	186	854	168	792	136	650	142	723	157	771	127	639	139	707	140	698	193	875	154	746
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Apr. 27 -	37	27	39	37	37	40	37	38	33	35	41	40	37	38	35	30	38	36	40	36	29	28	37	31	36	32	46	40	36	35
May 25 -	29	28	22	33	32	38	42	39	31	34	38	39	33	37	31	30	30	34	34	36	37	30	40	33	34	33	38	40	34	35
June 29 -	23	26	27	32	28	35	29	37	27	32	33	38	29	35	23	28	24	32	28	34	22	28	24	31	24	31	35	39	26	33

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1906. The whole of the values for 1878-1907, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Dec. 30, 1906" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Eastern Districts" the values for District 0, and in the "Means for Western Districts" the values for the "Channel Islands" are not included.

W. N. SHAW, Director.

Meteorological Office, 63, Victoria Street, London, S.W.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1907.

Thirtieth Year. Vol. XXIV. [*New Series.*] } APPENDIX I. THIRD QUARTER—JULY TO SEPTEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE FORTY-TWO YEARS, 1866 TO 1907.

YEARS.	Eastern Districts. 0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
RAINFALL.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	10·6	—	8·8	—	6·3	—	6·1	—	7·4	—	7·3	—	7·2	—	10·9	—	9·9	—	10·1	—	9·8	—	8·6	—	9·8	—	—	—	8·6
1871-1875	—	13·1	—	10·7	—	8·4	—	7·5	—	9·1	—	8·0	—	8·7	—	13·2	—	12·9	—	14·1	—	12·2	—	10·8	—	12·6	—	—	—	10·7
1876-1880	—	9·0	—	8·9	—	9·2	—	9·0	—	10·1	—	8·7	—	9·2	—	11·7	—	12·3	—	11·6	—	11·1	—	10·7	—	11·5	—	—	—	10·4
1881-1885	56	7·8	51	7·9	46	7·3	45	7·4	45	7·5	44	6·6	46	7·3	53	11·8	49	9·8	52	10·0	60	10·3	53	10·2	53	10·4	54	7·6	50	8·9
1886-1890	60	10·3	51	7·4	46	7·6	45	7·3	43	6·8	40	6·9	45	7·2	51	10·9	47	9·3	46	9·1	58	10·3	50	9·1	50	9·7	46	7·1	48	8·5
1891-1895	65	14·2	53	9·3	47	7·3	45	7·7	45	7·0	45	8·1	47	7·9	52	12·3	50	10·7	49	10·4	60	10·4	51	10·4	52	10·8	48	8·9	50	9·4
1896	59	13·5	59	9·3	52	6·9	49	8·2	51	8·3	46	9·1	51	8·4	60	13·9	55	11·3	49	10·0	64	13·5	56	12·7	57	12·3	50	9·6	54	10·4
1897	58	12·2	53	7·7	42	7·4	41	6·9	42	7·4	41	6·6	44	7·2	55	11·9	47	10·0	53	11·7	59	10·5	56	11·0	54	11·0	53	9·1	49	9·1
1898	57	13·1	43	6·5	30	3·8	21	2·9	25	4·2	19	2·8	28	4·0	49	11·1	40	7·2	29	5·4	51	8·9	42	9·0	42	8·3	34	3·7	35	6·2
1899	55	12·2	47	7·6	38	5·6	34	5·2	33	5·1	28	5·4	36	5·8	54	10·1	47	8·9	38	6·7	56	8·3	44	8·3	48	8·5	33	4·8	42	7·2
1900	60	12·9	50	9·6	35	7·3	32	5·5	31	6·1	29	4·1	35	6·5	57	14·7	42	9·5	43	6·6	52	8·8	41	9·7	47	9·9	40	4·3	41	8·2
Means for 5 years, 1896-1900.	58	12·8	50	8·1	39	6·2	35	5·7	36	6·2	33	5·6	39	6·4	55	12·3	46	9·4	42	8·1	56	10·0	48	10·1	49	10·0	42	6·3	44	8·2
1901	52	9·9	46	6·9	33	5·4	26	4·2	30	7·6	29	7·2	33	6·3	51	11·8	41	6·4	40	8·6	56	9·4	47	9·8	47	9·2	38	6·6	40	7·8
1902	65	10·1	53	6·9	46	5·4	40	6·8	45	6·4	43	6·8	45	6·5	52	12·6	52	6·4	46	7·4	62	9·6	46	7·8	52	8·8	47	5·8	49	7·7
1903	67	15·3	63	11·3	55	10·1	49	10·6	51	10·2	52	9·9	54	10·4	59	17·2	58	13·3	55	12·4	70	14·2	63	13·3	61	14·1	58	10·8	58	12·3
1904	58	11·5	48	7·3	35	6·1	33	5·6	34	7·4	35	5·7	37	6·4	43	12·4	44	7·8	44	9·5	60	11·7	50	11·1	48	10·5	49	7·5	43	8·5
1905	72	12·1	56	7·5	40	5·8	32	4·9	40	6·1	37	5·6	41	6·0	51	12·2	50	8·3	44	7·5	59	9·1	53	9·1	51	9·2	53	6·5	46	7·6
Means for 5 years, 1901-1905.	63	11·8	53	8·0	42	6·6	36	6·4	40	7·5	39	7·0	42	7·1	51	13·2	49	8·4	46	9·1	61	10·8	52	10·2	52	10·3	49	7·4	47	8·7
1906	56	11·5	46	7·4	33	4·4	24	3·2	30	3·4	28	2·9	32	4·3	49	10·4	43	7·1	38	5·6	54	7·5	49	6·6	47	7·4	30	3·0	39	5·9
1907	64	10·4	53	6·9	38	3·8	33	3·6	40	6·0	36	4·0	40	4·9	48	9·6	47	7·1	42	7·3	55	8·1	53	7·8	49	8·0	34	4·6	45	6·4
Means for 42 years, 1866-1907.	—	11·2	—	8·6	—	7·2	—	7·0	—	7·6	—	7·1	—	7·5	—	12·0	—	10·2	—	10·1	—	10·5	—	9·9	—	10·5	—	—	—	9·0
MEAN TEMPERATURE.	°		°		°		°		°		°		°		°		°		°		°		°		°		°		°	
Means for 5 years, 1866-1870.	54·4		57·1		57·0		58·7		59·7		60·1		58·7		57·9		59·0		61·0		58·5		59·5		59·2		—		59·0	
1871-1875	54·5		56·7		57·5		59·7		59·6		60·0		58·7		57·7		58·5		60·4		57·2		58·8		58·5		—		58·6	
1876-1880	54·1		56·4		57·6		59·6		59·3		60·3		58·6		57·2		58·1		59·9		56·8		59·0		58·2		—		58·4	
1881-1885	53·1		56·3		57·3		59·0		58·2		59·9		58·1		55·9		57·2		58·1		56·2		57·2		56·9		59·8		57·6	
1886-1890	52·8		55·1		56·7		58·7		57·9		59·6		57·6		55·4		57·0		58·2		56·1		57·6		56·9		60·1		57·3	
1891-1895	54·2		55·5		57·3		59·1		58·3		60·2		58·1		56·1		58·0		58·6		56·6		57·8		57·4		61·1		57·8	
1896	52·8		55·1		57·6		59·4		58·3		60·9		58·3		56·1		58·1		59·4		56·1		58·1		57·6		61·8		58·0	
1897	54·9		55·9		57·4		59·3		58·6		60·9		58·4		56·6		58·3		59·2		56·8		58·1		57·8		61·3		58·1	
1898	54·9		56·9		58·7		60·6		60·1		62·3		59·7		57·4		59·2		60·7		58·1		60·3		59·1		63·2		59·4	
1899	56·0		57·0		59·1		61·6		61·2		63·4		60·5		57·7		59·9		62·3		58·5		60·3		59·7		64·4		60·1	
1900	55·0		55·9		58·7		61·4		60·0		61·7		59·5		56·8		58·8		60·1		57·5		59·0		58·4		62·6		59·0	
Means for 5 years, 1896-1900.	54·9		56·2		58·3		60·5		59·6		61·8		59·3		56·9		58·9		60·3		57·4		59·2		58·5		62·7		58·9	
1901	56·7		57·9		59·9		61·4		60·8		61·9		60·4		58·2		60·0		60·8		57·6		59·5		59·2		62·5		59·8	
1902	52·6		53·8		56·1		58·5		57·3		59·6		57·1		55·0		56·7		58·6		55·9		58·2		56·9		61·0		57·0	
1903	52·9		53·8		56·3		58·8		57·2		59·4		57·1		55·3		56·8		58·3		55·6		57·4		56·7		60·4		56·9	
1904	54·4		55·3		58·5		60·2		58·6		60·3		58·6		56·4		58·1		59·5		56·3		58·0		57·7		61·1		58·2	
1905	54·0		55·7		58·7		60·9		58·6		60·3		58·8		56·2		57·7		58·7		56·2		58·0		57·4		60·9		58·1	
Means for 5 years, 1901-1905.	54·1		55·3		57·9		60·0		58·5		60·3		58·4		56·2		57·9		59·2		56·3		58·2		57·6		61·2		58·0	
1906	54·7		56·2		59·9		61·9		60·5		61·4		60·0		57·1		58·8		59·7		57·3		59·1		58·4		62·0		59·2	
1907	52·7		53·7		56·6		58·3		57·3		59·0		57·0		55·8		57·0		58·2		56·2		58·5		57·1		60·8		57·1	
Means for 12 years, 1866-1907.	54·0		56·0		57·5		59·6		58·9		60·3		58·5		56·7		58·1		59·4		56·9		58·4		57·9		—		58·2	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY-TWO YEARS, 1866 TO 1907.

		Eastern Districts.	Western Districts.	Eastern and Western Districts combined.
Rainfall	Driest	Ins. 4·0 in 1898	Ins. 6·4 in 1870	Ins. 5·7 in 1870
	Wettest	10·6 in 1879	14·2 in 1872	12·4 in 1879
Temperature	Coldest	°55·7 in 1888	°55·5 in 1888	°55·6 in 1888
	Warmest	60·9 in 1868	60·8 in 1868	60·9 in 1868

NOTE.—An investigation now in progress shows that some of the figures for the years before 1883 require correction in order to render them comparable with those for later years.

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM DECEMBER 30TH, 1906, FOR THE THIRD QUARTER, 1907.

1907. — FOUR WEEKS OR FIVE WEEKS ENDING.	0. SCOTLAND, N.		Eastern Districts. 1. SCOTLAND E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																																
July 27 -	14	150	15	116	13	110	11	103	15	110	12	97	13	106	12	127	16	127	14	124	16	143	16	137	15	131	11	108	14	120		
Aug. 24 -	24	174	23	139	16	126	15	118	16	126	16	113	17	123	21	148	20	147	19	143	24	167	21	158	21	152	14	122	19	139		
Sep. 28 -	26	200	15	154	9	135	7	125	9	135	8	121	9	132	15	163	11	158	9	152	15	182	16	174	13	165	9	131	11	150		
RAINFALL.—AMOUNTS IN INCHES.																																
July 27 -	1·78	29·42	1·96	15·67	0·94	12·30	1·35	11·58	2·82	14·32	1·35	12·26	1·68	13·22	2·15	26·97	2·29	19·06	2·71	19·69	2·11	22·73	2·46	18·36	2·34	21·34	1·92	13·55	2·01	17·29		
Aug. 24 -	4·81	34·23	3·11	18·78	2·18	14·48	1·72	13·30	2·39	16·71	1·98	14·24	2·28	15·50	5·09	32·06	3·68	22·74	3·20	22·89	4·31	27·04	3·27	21·63	3·91	25·25	1·17	14·72	3·10	20·39		
Sep. 28 -	3·82	38·05	1·82	20·60	0·65	15·13	0·49	13·79	0·80	17·51	0·67	14·91	0·88	16·38	2·33	34·39	1·08	23·82	1·37	24·26	1·65	28·69	2·09	23·72	1·70	26·95	1·54	16·26	1·29	21·68		
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																																
July 27 -	316	937	325	1042	367	1303	405	1459	403	1429	438	1530	388	1352	416	1260	410	1320	436	1425	408	1270	473	1577	428	1369	489	1722	408	1362		
Aug. 24 -	277	1214	323	1365	441	1744	493	1952	445	1874	484	2014	437	1789	376	1636	417	1737	441	1866	385	1655	448	2025	413	1782	523	2245	425	1787		
Sep. 28 -	349	1563	376	1741	475	2219	542	2494	499	2373	582	2596	495	2284	424	2060	499	2236	559	2425	462	2117	548	2573	498	2280	665	2910	496	2283		
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																																
July 27 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435		
Aug. 24 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435		
Sep. 28 -	2	524	1	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435		
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																																
July 27 -	121	729	112	835	137	946	160	996	141	876	182	1036	146	938	171	821	171	894	203	974	159	798	176	883	176	874	231	1106	161	907		
Aug. 24 -	84	813	113	948	139	1085	154	1150	149	1025	160	1196	143	1081	123	944	115	1009	146	1120	115	913	127	1010	125	999	180	1286	134	1041		
Sep. 28 -	153	966	195	1143	214	1299	226	1376	193	1218	233	1429	212	1293	168	1112	185	1194	199	1319	128	1041	137	1147	163	1162	224	1510	187	1228		
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																																
July 27 -	25	26	24	30	30	34	35	37	31	32	41	38	32	34	37	30	37	33	46	36	35	29	39	32	39	32	53	41	35	33		
Aug. 24 -	19	25	26	30	33	34	37	37	36	33	39	38	34	34	29	30	28	32	36	36	27	29	31	32	30	32	44	41	32	33		
Sep. 28 -	34	26	43	31	48	36	51	38	43	34	52	40	47	36	37	31	41	33	45	37	29	29	31	32	36	32	50	42	42	34		

EXPLANATION OF TABLES.

TABLES I. and Ia. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1906. The whole of the values for 1878-1907, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Dec. 30, 1906" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Eastern Districts" the values for District 0, and in the "Means for Western Districts" the values for the "English Channel" are not included.

W. N. SHAW, Director.

Meteorological Office, 63, Victoria Street, London, S.W.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1907.

Thirtieth Year.
VOL. XXIV. [*New Series.*] } APPENDIX I. FOURTH QUARTER—OCTOBER TO DECEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE FORTY-TWO YEARS, 1866 TO 1907.

YEARS.	Eastern Districts.												Western Districts.												11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.				
	RAINFALL.																											
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	18·4	—	8·8	—	7·7	—	7·4	—	7·6	—	8·3	—	8·0	—	12·9	—	14·7	—	14·6	—	12·6	—	10·5	—	13·1	—	—	—	10·6
1871-1875	—	17·2	—	10·4	—	7·7	—	7·2	—	7·9	—	9·9	—	8·6	—	13·1	—	13·3	—	16·3	—	11·1	—	12·1	—	13·2	—	—	—	10·9
1876-1880	—	13·8	—	9·1	—	8·1	—	7·2	—	8·1	—	9·5	—	8·4	—	12·8	—	12·0	—	14·1	—	11·0	—	11·3	—	12·2	—	—	—	10·3
1881-1885	68	12·7	54	7·2	55	7·3	59	8·8	55	8·6	52	8·9	55	8·2	58	15·8	56	11·0	62	13·7	64	11·8	61	11·8	60	12·8	67	12·4	58	10·5
1886-1890	71	15·0	57	8·5	53	7·3	51	6·6	50	7·2	52	8·8	53	7·7	58	15·3	59	10·7	62	13·6	64	12·1	59	12·6	60	12·9	69	11·9	57	10·3
1891-1895	67	17·4	53	8·8	54	7·2	55	8·1	53	8·3	54	10·5	54	8·6	59	15·9	58	11·7	59	14·6	64	11·3	58	13·2	60	13·3	64	12·3	57	11·0
1896	71	15·9	62	10·4	68	11·1	61	8·0	58	8·2	57	9·3	61	9·4	58	13·1	57	11·2	63	14·0	62	10·4	58	11·5	60	12·0	76	12·9	61	10·7
1897	59	14·7	47	7·7	43	5·2	37	3·9	42	6·0	37	5·5	41	5·7	55	14·4	44	11·2	44	11·0	54	10·4	49	15·0	49	12·4	46	8·9	45	9·1
1898	71	24·4	59	11·4	52	8·5	48	7·2	50	8·3	48	9·2	51	8·9	62	16·1	63	10·5	64	15·3	69	11·7	64	13·5	64	13·4	68	12·7	58	11·2
1899	67	18·5	48	8·6	40	6·3	38	6·6	35	6·9	34	8·4	39	7·4	59	16·6	41	9·3	45	11·4	58	11·2	50	13·2	51	12·3	46	9·9	45	9·9
1900	76	22·3	71	12·8	60	9·2	60	5·9	61	8·3	59	8·8	62	9·0	72	23·6	64	13·4	69	15·9	71	15·2	67	18·8	69	17·4	71	12·2	66	13·2
Means for 5 years, 1896-1900.	69	19·2	57	10·2	53	8·1	49	6·3	49	7·5	47	8·2	51	8·1	61	16·8	54	11·1	57	13·5	63	11·8	58	14·4	59	13·5	61	11·3	55	10·8
1901	71	15·5	55	8·7	46	9·5	44	7·4	41	6·9	41	6·8	45	7·9	64	17·5	53	11·8	49	9·9	65	12·6	55	10·9	57	12·5	58	10·3	51	10·2
1902	62	15·9	59	8·7	51	8·5	48	4·7	50	7·4	51	7·5	52	7·0	62	18·0	56	9·7	56	12·0	62	10·7	62	12·8	60	12·7	68	10·2	56	9·9
1903	65	16·8	63	10·0	55	10·0	52	7·6	57	9·3	56	11·0	57	9·8	66	19·1	63	13·4	65	15·5	71	12·7	66	12·3	65	14·3	74	13·2	61	12·1
1904	74	14·4	47	4·7	37	4·3	41	4·6	40	4·2	42	6·7	41	4·9	53	11·4	44	8·1	47	9·0	65	9·1	50	7·6	52	9·0	61	10·4	47	7·0
1905	72	14·5	61	9·9	50	6·9	48	5·2	46	5·3	45	7·0	50	6·9	53	12·5	49	8·4	46	8·6	65	10·1	53	7·8	53	9·5	58	9·1	52	8·2
Means for 5 years, 1901-1905.	69	15·4	57	8·4	48	7·4	47	5·9	47	6·6	47	7·8	49	7·2	60	15·7	53	10·3	53	11·0	66	11·0	57	10·3	58	11·7	64	10·6	54	9·5
1906	76	17·6	62	13·1	58	9·6	51	9·1	59	9·6	56	10·9	57	10·5	62	15·0	64	12·3	61	13·6	70	11·5	67	10·7	65	12·6	64	11·8	61	11·5
1907	67	12·6	58	11·3	61	9·2	57	7·7	59	11·0	58	11·7	59	10·2	65	16·7	63	12·8	70	16·8	69	11·7	73	15·3	68	14·7	65	14·2	64	12·4
Means for 42 years, 1866-1907.	—	16·1	—	9·1	—	7·7	—	7·2	—	7·9	—	9·1	—	8·2	—	14·8	—	11·9	—	14·0	—	11·6	—	12·1	—	12·9	—	—	—	10·6
	MEAN TEMPERATURE.																											
Means for 5 years, 1866-1870.	42°1		42°1		42°5		43°6		43°4		44°2		43°2		43°2		43°8		47°0		44°0		45°2		44°6		°		43°9	
1871-1875	42·4		41·8		42·7		42·9		42·8		43·6		42·8		42·7		43·6		46·3		43·3		45·4		44·3		—		43·6	
1876-1880	41·7		41·6		42·3		42·9		42·4		44·2		42·7		42·9		43·7		47·1		43·6		45·6		44·6		—		43·7	
1881-1885	42·6		42·0		43·4		43·4		43·0		45·1		43·4		43·5		44·1		46·5		43·9		45·6		44·7		49·1		44·1	
1886-1890	42·1		41·8		42·6		42·3		42·1		44·1		42·6		43·6		43·6		45·2		44·2		45·5		44·0		48·7		43·5	
1891-1895	41·9		41·0		43·0		43·7		42·9		45·6		43·2		43·5		44·4		46·2		43·8		45·5		44·7		49·8		44·0	
1896	41·2		40·5		41·9		41·8		40·9		43·5		41·7		42·1		42·5		43·3		42·2		43·3		42·7		47·5		42·2	
1897	43·2		42·9		45·0		44·4		44·2		47·4		44·8		45·8		46·6		48·1		46·2		48·4		47·0		51·3		45·9	
1898	44·3		44·2		47·0		47·4		46·7		49·3		46·9		46·8		48·1		49·5		47·1		48·8		48·1		52·7		47·5	
1899	44·0		42·8		43·9		44·0		42·9		46·2		44·0		44·7		44·8		47·0		46·1		47·6		46·0		51·1		45·0	
1900	43·4		43·2		46·1		46·7		46·0		48·3		46·1		45·3		46·9		48·2		45·5		47·4		46·7		52·2		46·4	
Means for 5 years, 1896-1900.	43·2		42·7		44·8		44·9		44·1		46·9		44·7		44·9		45·8		47·2		45·4		47·1		46·1		51·0		45·4	
1901	41·8		41·1		43·0		43·5		42·3		45·0		43·0		43·2		44·1		45·2		44·4		45·5		44·5		49·6		43·8	
1902	43·9		42·9		44·9		44·7		44·1		45·8		44·5		45·2		45·3		46·6		45·9		47·5		46·1		49·9		45·3	
1903	41·2		40·7		43·0		44·1		42·9		45·4		43·2		43·1		43·9		46·1		43·9		45·1		44·4		49·5		43·8	
1904	42·3		41·9		43·4		44·0		42·6		45·3		43·4		43·7		44·1		46·0		45·0		47·0		45·2		50·5		44·3	
1905	42·0		41·7		42·5		42·4		41·8		43·3		42·3		43·3		43·5		43·8		44·3		45·0		44·0		48·1		43·2	
Means for 5 years, 1901-1905.	42·2		41·7		43·4		43·7		42·7		45·0		43·3		43·7		44·2		45·5		44·7		46·0		44·8		—		44·1	
1906	43·3		43·3		44·9		46·1		44·9		46·8		45·2		44·7		45·5		46·5		45·4		46·8		45·8		50·5		45·5	
1907	43·2		42·7		44·9		46·6		44·9		47·7		45·4		44·5		45·3		46·8		45·3		46·0		45·6		51·0		45·5	
Means for 42 years, 1866-1907.	42·3		41·9		43·2		43·6		43·0		45·0		43·3		43·6		44·2		46·4		44·2		45·8		44·8		–		44·1	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY-TWO YEARS, 1866 TO 1907.

		Eastern Districts.	Western Districts.	Eastern and Western Districts combined.
		Ins.	Ins.	Ins.
Rainfall	Driest	3·4 in 1879	5·0 in 1879	4·2 in 1879
	Wettest	13·1 in 1872	18·6 in 1872	15·9 in 1872
		°	°	°
Temperature	Coldest	40·3 in 1887	41·9 in 1887	41·1 in 1887
	Warmest	46·9 in 1898	48·1 in 1898	47·5 in 1898

NOTE.—An investigation now in progress shows that some of the figures for the years before 1886 require correction in order to render them comparable with those for later years.

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM DECEMBER 30TH, 1906, FOR THE FOURTH QUARTER, 1907.

1907. — FOUR WEEKS OR FIVE WEEKS ENDING	0. SCOTLAND, N.		Eastern Districts. 1. SCOTLAND E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		Western Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.	For the Period.	From Dec. 30th, 1906.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Oct. 23 -	22	222	19	173	20	155	20	145	19	154	23	144	20	152	23	185	21	179	24	176	23	205	21	198	23	188	24	155	22	172
Nov. 23 -	18	240	17	190	17	172	14	159	16	170	12	156	15	167	16	202	18	197	19	195	19	224	19	217	18	206	17	172	17	189
Dec. 28 -	27	267	22	212	24	196	23	182	24	194	23	179	23	190	26	228	24	221	27	222	27	251	30	247	27	233	25	197	25	214
RAINFALL.—AMOUNTS IN INCHES.																														
Oct. 26 -	2·76	40·81	5·11	25·71	4·03	19·16	2·61	16·40	4·33	21·84	4·97	19·88	4·21	20·59	6·41	40·80	4·87	28·69	6·07	30·33	4·43	33·12	5·08	28·80	5·37	32·32	6·03	22·29	4·79	26·47
Nov. 23 -	3·84	44·65	1·81	27·52	1·92	21·08	1·33	17·73	2·44	24·28	1·74	21·62	1·85	22·44	3·32	41·12	2·47	31·16	3·50	33·83	2·18	35·30	2·95	31·75	2·88	35·20	2·16	24·45	2·37	28·84
Dec. 28 -	5·97	50·62	4·39	31·91	3·23	24·36	3·75	21·43	4·27	28·55	4·99	26·61	4·14	26·58	6·96	51·08	5·45	36·61	7·22	41·05	5·11	40·41	7·22	38·97	6·39	41·59	5·97	30·42	5·27	34·11
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Oct. 26 -	186	1749	177	1918	233	2452	301	2795	228	2601	307	2903	249	2533	211	2271	226	2462	249	2674	215	2332	229	2802	226	2506	364	3274	238	2521
Nov. 23 -	102	1851	102	2020	131	2583	152	2947	124	2725	172	3075	136	2669	114	2385	129	2591	154	2828	124	2456	145	2947	133	2639	217	3521	135	2656
Dec. 28 -	20	1871	13	2033	52	2635	94	3041	71	2756	122	3197	70	2739	42	2427	61	2655	119	2947	69	2525	108	3055	80	2719	214	3735	75	2731
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Oct. 26 -	13	537	8	608	1	502	0	518	4	544	0	434	3	522	3	407	0	418	0	396	4	296	6	262	3	356	0	96	3	438
Nov. 23 -	54	591	59	667	38	540	21	539	39	583	17	451	35	557	41	448	30	448	15	411	23	324	28	290	28	384	0	96	32	470
Dec. 28 -	136	727	172	839	127	667	89	628	123	706	41	492	110	667	109	557	100	548	46	457	92	416	79	369	85	469	0	96	98	568
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Oct. 26 -	72	1038	74	1217	91	1350	92	1468	87	1305	89	1518	87	1380	63	1175	85	1279	93	1412	73	1114	71	1218	77	1239	130	1640	82	1310
Nov. 23 -	55	1093	48	1265	43	1433	41	1509	43	1348	48	1566	45	1425	43	1218	44	1323	57	1469	57	1171	60	1278	52	1291	59	1699	49	1359
Dec. 28 -	25	1118	44	1309	50	1483	60	1569	49	1397	68	1634	51	1479	29	1247	47	1370	50	1519	49	1220	52	1330	45	1336	66	1765	50	1409
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Oct. 26 -	25	26	25	31	31	36	31	38	29	34	30	39	29	35	22	30	29	33	31	36	25	29	24	31	26	32	43	43	28	34
Nov. 23 -	24	26	21	30	18	34	16	36	17	33	19	38	18	34	18	29	18	32	23	36	24	28	24	31	21	31	23	41	20	33
Dec. 28 -	11	25	19	30	19	34	22	36	18	32	25	37	21	34	12	28	18	31	18	35	19	28	19	30	17	30	23	40	19	32

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1906. The whole of the values for 1878-1907, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Dec. 30, 1906" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Eastern Districts" the values for District 0. and in the "Means for Western Districts" the values for the "English Channel" are not included.

W. N. SHAW, Director.

Meteorological Office, 63, Victoria Street, London, S.W.

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WEEKLY WEATHER REPORT, 1907.

Thirtieth Year.
VOL. XXIV. [*New Series.*] } APPENDIX I.

VALUES FOR THE WHOLE YEAR, 1907.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY YEARS, 1878–1907.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881–1905.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED,		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	235	*42·8*	*88*	178	*33·5*	*108*	195	31·3†	126	211	*28·0*	*130*	193	30·1	114	181	29·2	108	192	30·4	115	187	*44·1*	*92*	202	35·4	102	207	40·2	104	229	37·2	97	218	40·2	100	209	39·4	99	243	40·6†	125	201	34·9	105
1879	217	36·0*	69	198	*37·4*	*121*	203	26·0	105	227	30·5†	130	199	29·7	113	197	32·2	120	205	31·2	118	199	*42·8*	*89*	195	34·1	98	207	39·8	103	228	37·1	97	219	39·4	98	210	38·6	97	228	35·2	108	208	34·9	105
1880	210	*42·2*	*81*	184	*32·8*	*106*	180	30·2	122	192	*27·2*	*116*	176	33·7	128	175	32·4	120	181	31·3	118	198	*41·3*	*86*	179	36·4	105	190	36·4	94	216	35·4	92	198	40·9	102	196	38·1	95	223	36·8	113	189	34·7	104
1881	222	*44·8*	*86*	199	*37·0*	*120*	197	28·2	114	193	*25·8*	*110*	177	27·7	105	171	28·6	106	187	29·5	111	206	*47·6*	*99*	190	40·1	115	195	39·3	102	234	36·9	96	209	40·7	101	207	40·9	102	208	33·9	104	197	35·2	106
1882	254	*50·2*	*96*	223	40·4†	131	207	30·4	123	197	*29·6*	*127*	210	36·5†	139	197	31·4	117	207	33·7	127	233	*54·0*	*113*	222	43·1	124	235	50·4†	131	253	41·6	109	240	45·9	114	237	47·0	118	239	39·5	121	222	40·4	121
1883	247	*50·0*	*96*	197	*32·8*	*106*	196	25·9	105	199	*27·8*	*119*	190	30·8	117	183	28·5	99	193	28·8	109	221	*53·2*	*111*	197	35·4	102	217	38·5	100	247	40·0	104	218	45·3	112	220	42·5	106	230	34·5	106	207	35·7	107
1884	235	*54·4*	*104*	191	*29·3*	*95*	162	19·9*	80	163	*20·9*	*89*	166	22·4	85	165	23·3	87	169	23·2	88	215	*55·5*	*111*	188	33·0	95	203	35·9	93	235	41·4	108	207	36·9	92	210	40·1	100	215	29·9	92	190	31·7	95
1885	246	*46·4*	*85*	182	*27·1*	*88*	180	23·2	94	182	*26·1*	*112*	185	27·4	104	171	27·4	102	180	26·2	99	203	*44·6*	*93*	191	31·3	90	205	39·3	102	212	33·3	87	209	39·6	98	204	37·6	94	219	31·2	96	192	31·9	96
Lustrum	241	*49·2*	*94*	198	*33·3*	*108*	188	25·5	103	187	*26·0*	*111*	186	29·0	110	177	27·4	102	187	28·2	106	216	*50·6*	*105*	198	36·6	105	211	40·7	105	236	38·6	101	217	41·7	104	216	41·6	104	222	33·8	104	202	34·9	105
1886	263	*50·0*	*96*	204	*31·5*	*102*	199	29·2	118	193	*24·6*	*105*	202	33·1	126	195	32·9	122	199	30·3	114	218	47·1	98	214	43·0	124	218	46·5	120	234	42·8	112	227	46·3	115	222	45·1	113	251	38·6	118	211	37·7	113
1887	241	*45·6*	*87*	183	24·4*	79	174	20·6	83	166	18·2*	78	148	19·2*	73	150	21·5*	80	164	20·8*	78	181	39·0	81	163	24·9*	72	159	28·3*	73	188	32·3*	84	159	28·5*	71	170	30·6*	77	181	26·2*	80	167	25·7*	77
1888	242	*47·8*	*92*	208	30·4	98	187	25·6	103	188	*23·2*	*99*	175	26·8	102	184	28·5	106	188	26·9	102	200	46·5	97	200	31·1	89	208	38·4	99	217	36·9	96	197	39·9	99	204	38·6	97	228	31·9	98	196	32·8	99
1889	246	*46·1*	*88*	197	26·0	84	182	24·1	97	189	*25·2*	*108*	175	26·8	102	175	25·6	96	184	25·5	96	211	42·4	88	197	32·4	93	197	35·9	93	232	38·5	101	210	37·6	93	209	37·4	94	210	30·2	93	197	31·5	95
1890	264	*60·1*	*115*	222	32·9	106	193	25·0	101	184	*21·6*	*92*	182	22·0	84	180	25·4	94	192	25·4	96	224	52·6	110	210	35·0	101	218	38·1	99	246	38·3	101	229	41·4	103	225	41·2	103	216	33·1	102	209	33·3	100
Lustrum	251	*49·9*	*96*	203	29·0	94	187	24·9	100	184	*23·6*	*97*	176	25·6	97	177	26·8	100	185	25·8	97	207	45·5	95	197	33·3	96	200	37·4	97	223	37·9	99	204	38·7	96	206	38·6	97	217	32·0	98	196	32·2	97
1891	242	52·8	101	184	30·9	100	181	24·6	99	197	*25·6*	*109*	192	30·1	114	190	33·2	123	189	28·9	109	205	49·9	104	186	38·3	110	200	45·1	117	225	35·3	92	204	41·5	103	204	42·0	105	201	36·7	113	197	35·5	107
1892	253	49·8	96	201	28·2	91	197	25·6	103	180	*25·9*	*111*	176	23·1	88	160	24·4	91	183	25·4	96	206	46·5	97	205	37·2	107	192	31·1	81	232	38·0	99	203	40·1	100	208	38·6	97	195	29·2	90	196	32·0	96
1893	252	57·9	111	199	27·3	88	173	20·4	82	171	*20·0*	*86*	164	20·8	79	162	23·5	87	174	22·4	85	205	43·0	90	191	31·4	90	173	33·7	87	217	34·0	89	189	32·6	81	195	34·9	87	185	28·4	87	185	28·7	86
1894	234	53·5	102	201	33·9	110	208	25·8	104	205	*25·5*	*109*	196	27·4	104	196	32·1	119	201	28·9	109	219	49·6	103	213	36·3	104	214	44·9	116	234	38·0	99	212	43·5	108	218	42·5	106	221	33·6	118	210	35·7	107
1895	237	49·3	94	195	31·5	102	189	27·7	112	165	*23·2*	*99*	163	24·7	94	160	24·9	93	174	26·4	100	196	38·3*	80	183	32·3	93	177	37·3	97	218	35·6	93	192	38·0	94	193	36·3	91	199	31·9	98	184	31·4	94
Lustrum	244	52·7	101	196	30·4	98	190	24·8	100	184	*24·0*	*103*	178	25·2	96	174	27·6	103	184	26·4	100	206	45·5	95	196	35·1	101	191	38·4	99	225	36·2	95	200	39·1	97	204	38·9	97	200	33·0	101	194	32·7	98
1896	252	56·2	108	213	29·5	95	196	25·3	102	190	*23·2*	*99*	184	24·6	94	173	25·8	96	191	25·7	97	216	43·3	90	200	35·2	101	186	33·7	87	226	39·2	102	199	36·8	91	205	37·6	94	208	30·2	93	198	31·7	95
1897	231	46·6	89	204	30·3	98	183	24·4	98	174	*23·1*	*94*	178	28·0	106	168	26·7	99	181	26·3	99	222	*47·0*	*98*	199	37·1	107	206	43·7	113	234	41·1	107	219	47·8	119	216	43·3	108	218	35·9	110	199	34·8	105
1898	262	66·1†	127	204	29·7	96	176	21·9	88	156	*19·5*	*83*	162	22·0	84	150	21·7	81	170	23·0	87	228	*46·5*	*97*	202	33·8	97	188	35·6	92	245	37·8	99	202	39·4	96	213	38·6	97	208	28·4	87	192	30·8	92
1899	253	53·3	102	200	33·0	107	173	24·3	98	158	*21·9*	*94*	154	25·2	96	137	25·0	93	164	25·9	98	221	*49·0*	*102*	187	35·6	102	175	38·7	100	228	38·4	100	191	42·7	106	200	40·9	102	169	29·1	89	182	33·4	100
1900	260	56·9	106	224	37·2	120	188	29·2	118	189	*23·4*	*100*	183	28·5	108	175	27·3	102	192	29·1	110	237	*56·9*	*119*	202	38·7	111	213	44·5	115	242	41·6	109	217	48·1	120	222	46·0	115	219	33·9	104	207	37·6	113
Lustrum	248	55·8	107	209	31·9	103	183	25·0	101	173	*22·0*	*94*	172	25·7	98	161	25·3	94	180	26·0	98	225	*48·5*	*101*	198	36·1	104	194	39·2	102	235	39·6	103	206	43·0	107	212	41·3	103	204	31·5	97	196	33·7	101
1901	237	44·3	85	198	28·5	92	168	24·6	99	158	*20·5*	*88*	155	25·4	97	146	24·2	90	165	24·6	93	210	*45·4*	*95*	185	30·0	86	171	34·9	90	230	38·5	100	191	36·9	92	197	37·1	93	197	31·7	97	181	30·9	93
1902	254	48·8	93	216	27·2	88	185	21·9	88	179	*20·5*	*88*	181	24·9	95	179	25·9	96	188	24·1	91	229	*46·8*	*98*	213	29·3	84	198	34·3	89	250	37·1	97	212	37·2	92	220	36·9	92	215	29·2	90	204	30·5	92
1903	257	65·7	126	232	39·1	127	197	31·0	125	178	*30·1*	*129*	194	34·4	131	197	35·8†	133	200	34·1†	129	241	64·3†	134	226	44·4†	128	221	48·6	126	265	47·2†	123	242	48·7†	121	239	50·6†	127	241	38·7	119	220	42·4†	127
1904	253	*53·0*	*102*	201	26·0	84	164	20·3	82	164	*20·0*	*86*	173	23·7	90	177	26·3	98	178	23·3	88	206	48·1	100	192	31·3	90	195	37·3	97	250	38·5	101	216	38·8	96	212	38·8	97	228	36·0	110	195	31·1	93
1905	275	*55·1*	*106*	218	28·5	92	169	19·9*	80	170	*20·7*	*88*	174	21·6	82	170	25·4	94	180	23·2	88	206	45·1	94	192	30·0	86	185	31·7	82	238	34·9	91	213	33·6	83	207	35·1	88	213	29·1	89	194	29·2	88
Lustrum	255	53·4	102	213	29·9	97	177	23·5	95	170	*22·4*	*96*	175	26·0	99	174	27·5	102	182	25·9	98	218	49·9	104	202	33·0	95	194	37·4	97	247	39·2	102	215	39·0	97	215	39·7	99	219	32·9	101	199	32·8	99
25 years average ..	**248**	**52·2**	**—**	**204**	**30·9**	**—**	**185**	**24·8**	**—**	**180**	**23·4**	**—**	**178**	**26·3**	**—**	**172**	**26·9**	**—**	**184**	**26·5**	**—**	**214**	**48·0**	**—**	**198**	**34·8**	**—**	**198**	**38·6**	**—**	**233**	**38·3**	**—**	**208**	**40·3**	**—**	**210**	**40·0**	**—**	**213**	**32·6**	**—**	**197**	**33·3**	**—**
1906	262	*55·2*	*106*	212	35·5	115	188	24·6	99	165	*24·6*	*106*	183	25·3	96	177	27·7	103	185	27·5	104	216	48·3	101	208	37·1	107	203	40·7	105	254	38·1	100	234	35·4	88	223	39·9	100	199	29·5	90	204	33·7	101
1907	267	50·6	97	212	31·9	103	196	24·4	98	182	*21·9*	*94*	194	28·6	109	179	26·7	99	190	26·6	100	228	51·1	106	221	36·7	105	222	41·1	106	251	40·4	105	247	39·0	97	233	41·7	104	197	30·4	93	214	34·1	102

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values, 1878–1907.

Meteorological Office, 63, Victoria Street, London, S.W.
April, 1908.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	*46·0*	+ *0·5*	*46·1*	+ *0·3*	47·7	+ 0·4	48·7	+ 0·5	49·1	+ 1·2	49·9	+ 0·3	48·3	+ 0·5	*48·3*	+ *1·0*	49·0	+ 0·8	50·7	+ 1·2	48·8	+ 0·8	50·4	+ 0·9	49·4	+ 0·9	51·9	0·0	48·9	+ 0·7
1879 ..	43·9*	− 1·6	43·2*	− 2·6	44·8*	− 2·5	45·6*	− 2·6	45·6*	− 2·3	46·7*	− 2·9	45·2*	− 2·6	45·2*	− 2·1	45·7*	− 2·5	48·2*	− 1·3	45·9*	− 2·1	48·1*	− 1·4	46·6*	− 1·9	49·4‖	− 2·5	45·9*	− 2·3
1880 ..	*46·1*	+ *0·6*	*46·0*	+ *0·2*	47·5	+ 0·2	48·6	+ 0·4	48·2	+ 0·3	49·8	+ 0·2	48·0	+ 0·2	*47·7*	+ *0·4*	48·4	+ 0·2	51·0	+ 1·5	48·4	+ 0·4	50·1	+ 0·6	49·1	+ 0·6	51·3	− 0·6	48·6	+ 0·4
1881 ..	*44·2*	− *1·3*	*44·2*	− *1·6*	46·0	− 1·3	47·5	− 0·7	47·2	− 0·7	48·9	− 0·7	46·8	− 1·0	*46·0*	− *1·3*	47·1	− 1·1	49·2	− 0·3	47·2	− 0·8	48·8	− 0·7	47·7	− 0·8	51·6	− 0·3	47·3	− 0·9
1882 ..	*46·3*	+ *0·8*	*46·3*	+ *0·5*	48·2	+ 0·9	48·9	+ 0·7	48·5	+ 0·6	50·2	+ 0·6	48·4	+ 0·6	*47·9*	+ *0·6*	48·8	+ 0·6	50·1	+ 0·6	48·5	+ 0·5	49·6	+ 0·1	49·0	+ 0·5	51·5	− 0·4	48·7	+ 0·5
1883 ..	*45·5*	*0·0*	*45·9*	+ *0·1*	47·2	− 0·1	48·3	+ 0·1	48·0	+ 0·1	49·5	− 0·1	47·8	0·0	*47·2*	− *0·7*	48·1	− 0·1	49·4	− 0·1	47·8	− 0·2	49·2	− 0·3	48·3	− 0·2	51·3	− 0·6	48·1	− 0·1
1884 ..	*46·1*	+ *0·6*	*46·7*	+ *0·9*	48·5	+ 1·2	49·6	+ 1·4	49·3	+ 1·4	50·8	+ 1·2	49·0	+ 1·2	*48·2*	+ *0·9*	49·1	+ 0·9	50·5	+ 1·0	48·6	+ 0·6	50·0	+ 0·5	49·3	+ 0·8	52·3	+ 0·4	49·2	+ 1·0
1885 ..	*44·4*	− *1·1*	*44·9*	− *0·9*	46·6	− 0·7	47·3	− 0·9	47·1	− 0·8	48·8	− 0·8	46·9	− 0·9	*46·0*	− *1·3*	46·7	− 1·5	48·5	− 1·0	47·0	− 1·0	48·4	− 1·1	47·3	− 1·2	50·5	− 1·4	47·1	− 1·1
Lustrum	*45·3*	− *0·2*	*45·6*	− *0·2*	47·3	0·0	48·3	+ 0·1	48·0	+ 0·1	49·6	0·0	47·8	0·0	*47·1*	− *0·2*	48·0	− 0·2	49·5	0·0	47·8	− 0·2	49·2	− 0·3	48·3	− 0·2	51·4	− 0·5	48·1	− 0·1
1886 ..	*44·5*	− *1·0*	*44·8*	− *1·0*	46·2	− 1·1	47·3	− 0·9	47·2	− 0·7	48·8	− 0·8	46·9	− 0·9	*46·1*	− *1·2*	46·9	− 1·3	48·6	− 0·9	46·8	− 1·2	48·5	− 1·0	47·4	− 1·1	51·0	− 0·9	47·2	− 1·0
1887 ..	*45·0*	− *0·5*	45·9	+ 0·1	46·4	− 0·9	46·9	− 1·3	46·8	− 1·1	47·9	− 1·7	46·8	− 1·0	46·5	− 0·8	47·1	− 1·1	48·4	− 1·1	47·8	− 0·2	49·0	− 0·5	47·8	− 0·7	50·7	− 1·2	47·3	− 0·9
1888 ..	*44·4*	− *1·7*	44·9	− 0·9	45·9	− 1·4	46·8	− 1·4	46·5	− 1·4	48·0	− 1·6	46·4	− 1·4	46·5	− 0·8	46·9	− 1·3	48·1‖	− 1·4	47·3	− 0·7	48·7	− 0·8	47·5	− 1·0	50·6	− 1·3	47·0	− 1·2
1889 ..	*46·2*	+ *0·7*	46·4	+ 0·6	47·2	− 0·1	47·7	− 0·5	47·8	− 0·1	49·3	− 0·3	47·7	− 0·1	47·8	+ 0·5	48·1	− 0·1	49·2	− 0·3	48·3	+ 0·3	49·6	+ 0·1	48·6	+ 0·1	51·7	− 0·2	48·2	0·0
1890 ..	*46·3*	+ *0·8*	46·4	+ 0·6	47·4	+ 0·1	47·5	− 0·7	47·3	− 0·6	48·9	− 0·7	47·5	− 0·3	47·7	+ 0·4	47·9	− 0·3	49·0	− 0·5	48·2	+ 0·2	49·5	0·0	48·5	0·0	51·1	− 0·8	48·0	− 0·2
Lustrum	*45·3*	− *0·2*	*45·7*	− *0·1*	46·6	− 0·7	47·2	− 1·0	47·1	− 0·8	48·6	− 1·0	47·0	− 0·8	*46·9*	− *0·4*	47·4	− 0.8	48·7	− 0·8	47·7	− 0·3	49·1	− 0·4	48·0	− 0·5	51·0	− 0·9	47·5	− 0·7
1891 ..	45·3	− 0·2	45·4	− 0·4	46·3	− 1·0	47·3	− 0·9	47·0	− 0·9	48·7	− 0·9	46·9	− 0·9	47·1	− 0·2	47·6	− 0·6	48·6	− 0·9	47·6	− 0·4	48·8	− 0·7	47·9	− 0·6	51·1	− 0·8	47·4	− 0·8
1892 ..	43·6	− 1·9	44·0	− 1·8	45·5	− 1·8	46·6	− 1·6	46·1	− 1·8	48·2	− 1·4	46·1	− 1·7	45·6	− 1·7	46·6	− 1·6	48·2	− 1·3	46·8	− 1·2	48·3	− 1·2	47·1	− 1·4	51·2	− 0·7	46·6	− 1·6
1893 ..	46·5	+ 1·0	47·0	+ 1·2	48·5	+ 1·2	49·4	+ 1·2	49·0†	+ 1·7	51·0	+ 1·4	49·1	+ 1·3	48·7	+ 1·4	50·1†	+ 1·9	51·2†	+ 1·7	49·6†	+ 1·6	51·0	+ 1·5	50·1	+ 1·6	53·7	+ 1·8	49·6	+ 1·4
1894 ..	46·3	+ 0·8	46·0	+ 0·2	47·4	+ 0·1	48·6	+ 0·4	48·4	+ 0·5	50·2	+ 0·6	48·1	+ 0·3	47·8	+ 0·5	49·1	+ 0·9	49·9	+ 0·4	48·3	+ 0·3	49·8	+ 0·3	49·0	+ 0·5	52·5	+ 0·6	48·6	+ 0·4
1895 ..	44·8	− 0·7	44·8	− 1·0	46·8	− 0·5	47·6	− 0·6	47·2	− 0·7	48·9	− 0·7	47·1	− 0·7	46·4	− 0·9	47·5	− 0·7	48·8	− 0·7	47·1	− 0·9	48·6	− 0·9	47·7	− 0·8	51·6	− 0·3	47·4	− 0·8
Lustrum	45·3	− 0·2	45·4	− 0·4	46·9	− 0·4	47·9	− 0·3	47·7	− 0·2	49·4	− 0·2	47·5	− 0·3	47·1	− 0·2	48·2	0·0	49·3	− 0·2	47·9	− 0·1	49·3	− 0·2	48·4	− 0·1	52·0	+ 0·1	48·0	− 0·2
1896 ..	46·3	+ 0·8	46·7	+ 0·9	47·9	+ 0·6	48·5	+ 0·3	48·3	+ 0·4	50·1	+ 0·5	48·3	+ 0·5	48·0	+ 0·7	49·0	+ 0·8	50·1	+ 0·6	48·5	+ 0·5	50·1	+ 0·6	49·1	+ 0·6	52·7	+ 0·8	48·7	+ 0·5
1897 ..	45·5	0·0	45·9	+ 0·1	47·7	+ 0·4	48·7	+ 0·5	48·5	+ 0·6	50·7	+ 1·1	48·3	+ 0·5	47·7	+ 0·4	48·9	+ 0·7	50·5	+ 1·0	48·2	+ 0·2	50·3	+ 0·8	49·1	+ 0·6	53·0	+ 1·1	48·7	+ 0·5
1898 ..	46·7†	+ 1·2	47·4‡	+ 1·6	49·0†	+ 1·7	49·8†	+ 1·6	49·5	+ 1·6	51·4‡	+ 1·8	49·4‡	+ 1·6	49·0†	+ 1·7	50·2	+ 1·2	51·2†	+ 1·7	49·5	+ 1·5	51·3‖	+ 1·8	50·2†	+ 1·7	53·7	+ 1·8	49·8†	+ 1·6
1899 ..	46·3	+ 0·8	46·3	+ 0·5	48·1	+ 0·8	49·4	+ 1·2	49·0	+ 1·1	51·2	+ 1·6	48·8	+ 1·0	48·1	+ 0·8	49·3	+ 1·0	51·1†	+ 1·2	49·1	+ 1·1	51·0	+ 1·5	49·7	+ 1·2	54·1†	+ 2·2	49·3	+ 1·1
1900 ..	45·7	+ 0·2	45·8	0·0	48·0	+ 0·7	49·3	+ 1·1	48·7	+ 0·8	50·4	+ 0·8	48·4	+ 0·6	47·6	+ 0·3	48·7	+ 0·5	50·0	+ 0·5	48·2	+ 0·2	49·6	+ 0·1	48·8	+ 0·3	53·2	+ 1·3	48·6	+ 0·4
Lustrum	46·1	+ 0·6	46·4	+ 0·6	48·1	+ 0·8	49·1	+ 0·9	48·8	+ 0·9	50·8	+ 1·2	48·6	+ 0·8	48·1	+ 0·8	49·2	+ 1·0	50·6	+ 1·1	48·7	+ 0·7	50·4	+ 0·9	49·4	+ 0·9	53·3	+ 1·4	49·0	+ 0·8
1901 ..	46·1	+ 0·6	46·1	+ 0·3	47·7	+ 0·4	48·3	+ 0·1	47·9	0·0	49·4	− 0·2	47·9	+ 0·1	47·5	+ 0·2	48·4	+ 0·2	49·5	0·0	47·9	− 0·1	49·3	− 0·2	48·5	0·0	52·2	+ 0·3	48·2	0·0
1902 ..	45·1	− 0·4	45·1	− 0·7	47·0	− 0·3	48·0	− 0·2	47·5	− 0·4	49·1	− 0·5	47·3	− 0·5	47·0	− 0·3	47·7	− 0·5	49·2	− 0·3	47·8	− 0·2	49·6	+ 0·1	48·3	− 0·2	51·9	0·0	47·8	− 0·4
1903 ..	45·0	− 0·5	45·4	− 0·4	47·5	+ 0·2	49·1	+ 0·9	48·1	+ 0·2	50·0	+ 0·4	48·0	+ 0·2	47·4	+ 0·1	48·4	+ 0·2	50·0	+ 0·5	47·9	− 0·1	49·5	0·0	48·6	+ 0·1	52·3	+ 0·4	48·3	+ 0·1
1904 ..	*45·7*	+ *0·3*	45·7	− 0·1	47·9	+ 0·6	48·9	+ 0·7	47·8	− 0·1	49·5	− 0·1	48·0	+ 0·2	47·3	0·0	48·1	− 0·1	49·7	+ 0·2	47·8	− 0·2	49·6	+ 0·1	48·5	0·0	52·3	+ 0·4	48·3	+ 0·1
1905 ..	*46·0*	+ *0·5*	46·3	+ 0·5	48·0	+ 0·7	49·0	+ 0·8	48·1	+ 0·2	49·4	− 0·2	48·2	+ 0·4	47·7	+ 0·4	48·4	+ 0·2	49·2	− 0·3	48·6	+ 0·6	49·9	+ 0·4	48·8	+ 0·3	52·0	+ 0·1	48·5	+ 0·3
Lustrum	*45·6*	+ *0·1*	45·7	− 0·1	47·6	+ 0·3	48·7	+ 0·5	47·9	0·0	49·5	− 0·1	47·9	+ 0·1	47·2	− 0·1	48·2	0·0	49·5	0·0	48·0	0·0	49·6	+ 0·1	48·5	0·0	51·9	0·0	48·2	0·0
25 yrs. Av.	**45·5**	—	**45·8**	—	**47·3**	—	**48·2**	—	**47·9**	—	**49·6**	—	**47·8**	—	**47·3**	—	**48·2**	—	**49·5**	—	**48·0**	—	**49·5**	—	**48·5**	—	**51·9**	—	**48·2**	—
1906 ..	*4·56*	+ *0·2*	46·5	+ 0·7	48·5	+ 1·2	49·7	+ 1·5	49·0	+ 1·1	50·0	+ 0·4	48·7	+ 0·9	48·0	+ 0·7	48·6	+ 0·4	49·5	0·0	48·1	+ 0·1	49·9	+ 0·4	48·8	+ 0·3	52·3	+ 0·4	48·8	+ 0·6
1907 ..	*4·53*	− *0·2*	45·5	− 0·3	47·4	+ 0·1	48·6	+ 0·4	47·8	− 0·1	49·3	− 0·3	47·7	− 0·1	47·3	0·0	47·8	− 0·4	48·8	− 0·7	47·8	− 0·2	49·3	− 0·2	48·2	− 0·3	51·9	0·0	48·0	− 0·2

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts		Western District. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western District.		11. English Channel.		Means for Districts 1-10 combined.	
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
		%		%		%		%		%		%		%		%		%		%		%		%		%		%		%		%
1881	*1·08*	*97*	*1·28*	*96*	*1·48*	*103*	1·58	100	1·47	105	*1·65*	*103*	1·49	101	1·36	100	1·37	99	*1·68*	*108*	1·38	108	1·50	103	1·46	104	1·97	104	1·48	103
1882	*1·10*	*99*	*1·41*	*106*	*1·58*	*110*	1·54	97	1·38	98	*1·65*	*103*	1·51	103	1·35	99	1·30	94	*1·50*	*96*	1·38	108	1·53	106	1·41	100	1·85	97	1·46	101
1883	*1·12*	*101*	*1·37*	*103*	*1·49*	*103*	1·59	101	1·40	100	1·54	96	1·48	101	1·41	104	1·42	102	*1·49*	*96*	1·26	98	1·46	101	1·41	100	1·88	99	1·45	101
1884	*1·02*	*92*	*1·22*	*92*	*1·37*	*95*	1·50	95	1·29	92	1·37	86	1·35	92	1·21*	89	1·24	89	*1·38*	*88*	1·06*	83	1·27*	88	1·23‖	87	1·85	97	1·29	90
1885	*1·09*	*98*	*1·37*	*103*	1·12*	78	1·50	95	1·39	99	1·49	93	1·37	93	1·32	97	1·29	93	*1·49*	*96*	1·24	97	1·49	103	1·37	97	1·88	99	1·37	95
Lustrum	*1·08*	*97*	*1·33*	*100*	*1·41*	*98*	1·54	97	1·39	99	*1·54*	*96*	1·44	98	1·33	98	1·32	95	*1·51*	*97*	1·26	98	1·45	100	1·37	97	1·89	99	1·41	98
1886	*1·16*	*105*	*1·30*	*98*	*1·31*	*91*	1·53	97	1·27	91	1·52	95	1·39	95	1·23	90	1·25	90	1·36*	87	1·10	86	1·28	88	1·24	88	1·83	96	1·32	92
1887	*0·88*	*79*	1·37	103	*1·53*	*106*	1·70	108	1·55	111	1·68	105	1·57	107	1·48	109	1·52	109	1·84†	118	1·37	107	1·71†	118	1·58†	112	2·12	112	1·58	110
1888	*1·03*	*93*	1·23	92	*1·24*	*86*	1·27*	80	1·17*	84	1·25*	78	1·23*	84	1·28	94	1·20*	86	*1·37*	*88*	1·17	91	1·39	96	1·28	91	1·71‖	90	1·26*	88
1889	*0·86*	77	1·22	92	*1·27*	*88*	1·33	84	1·22	87	1·30	81	1·27	86	1·29	95	1·24	89	*1·39*	*89*	1·12	88	1·38	95	1·28	91	1·72	91	1·28	89
1890	1·04	94	*1·29*	*97*	*1·38*	*96*	1·57	99	1·37	98	1·49	93	1·42	97	1·30	96	1·25	90	*1·43*	*92*	1·26	98	1·40	97	1·33	94	1·84	97	1·38	96
Lustrum	*0·99*	*89*	*1·28*	*96*	*1·35*	*94*	1·48	94	1·32	94	1·45	91	1·38	94	1·32	97	1·29	93	*1·48*	*95*	1·20	94	1·43	99	1·34	95	1·84	97	1·36	94
1891	*1·20*	*108*	*1·38*	*104*	*1·36*	*94*	1·44	91	1·35	96	1·56	98	1·42	97	1·37	101	1·26	91	*1·51*	*97*	1·35	105	1·49	103	1·40	99	2·04	107	1·41	98
1892	*1·16*	*105*	*1·41*	*106*	*1·45*	*101*	1·53	97	1·47	105	1·68	105	1·51	103	1·42	104	1·43	103	*1·61*	*103*	1·31	102	1·45	100	1·44	102	1·99	105	1·42	103
1893	*1·04*	*94*	*1·44*	*108*	1·73†	120	1·83	116	1·72†	123	1·88	118	1·72†	117	1·54†	113	1·50	108	*1·82*	*117*	1·38	108	1·53	106	1·55	110	2·30†	121	1·64†	114
1894	*1·19*	*107*	*1·36*	*102*	*1·45*	*101*	1·46	92	1·33	95	1·58	99	1·44	98	1·35	99	*1·29*	*93*	*1·52*	*97*	1·26	98	1·37	94	1·36	96	1·76	93	1·40	97
1895	*1·14*	*103*	*1·43*	*108*	*1·63*	*113*	1·71	108	1·58	113	1·78	111	1·63	111	1·41	104	*1·43*	*103*	*1·72*	*110*	1·36	106	1·51	104	1·49	106	2·03	107	1·56	108
Lustrum	*1·15*	*104*	*1·40*	*105*	*1·52*	*106*	1·59	101	1·49	106	1·70	106	1·54	105	1·42	104	*1·38*	*99*	*1·64*	*105*	1·33	104	1·47	101	1·45	103	2·02	106	1·50	104
1896	*1·04*	*94*	*1·31*	*98*	*1·38*	*96*	1·51	96	1·35	96	1·61	101	1·43	97	1·35	99	*1·32*	*95*	*1·64*	*105*	1·25	98	1·45	100	1·40	99	1·93	102	1·42	99
1897	1·30†	117	*1·42*	*107*	*1·59*	*110*	1·61	102	1·52	109	1·70	106	1·57	107	1·40	103	1·53	110	*1·54*	*99*	1·30	102	1·44	99	1·44	102	1·75	92	1·51	105
1898	1·23	111	*1·38*	*104*	*1·37*	*95*	1·56	99	1·39	99	1·54	96	1·45	99	1·32	97	1·43	103	*1·62*	*104*	1·30	102	1·49	103	1·43	101	1·97	104	1·44	100
1899	1·21	109	*1·41*	*106*	*1·52*	*106*	1·80†	118	1·63	116	1·98†	124	1·68	114	1·35	99	1·61	116	*1·80*	*115*	1·41	110	1·61	111	1·56	111	2·12	112	1·62	113
1900	1·09	98	*1·22*	*92*	*1·34*	*93*	1·68	106	1·40	100	1·74	109	1·48	101	1·30	96	1·49	107	*1·63*	*104*	1·31	102	1·46	101	1·44	102	1·93	102	1·46	101
Lustrum	1·17	105	*1·35*	*102*	*1·44*	*100*	1·64	104	1·46	104	1·71	107	1·52	103	1·34	99	*1·48*	*106*	*1·65*	*106*	1·31‖	102	1·49	103	1·45	103	1·94	102	1·49	103
1901	1·27	114	1·46†	110	*1·71*	*119*	1·82	115	1·49	106	*1·77*	*111*	1·65	112	1·53	113	1·68†	121	*1·63*	*104*	1·36	106	1·49	103	1·54	109	1·92	101	1·60	111
1902	1·10	99	1·13*	85	*1·34*	*93*	1·57	99	1·30	93	*1·49*	*93*	1·37	93	1·23	90	1·44	104	*1·44*	*92*	1·24	97	1·40	97	1·35	96	1·75	92	1·36	94
1903	1·04	94	1·17	88	1·42	99	1·45	92	1·26	90	1·53	96	1·37	93	1·30	96	1·39	100	*1·43*	*92*	1·19	93	1·34	92	1·33	94	1·75	92	1·35	94
1904	1·18	106	1·28	96	1·45	101	1·63	105	1·39	99	1·62	101	1·48	101	1·32	97	1·44	104	1·54	99	1·24	97	1·38	94	1·38	98	1·83	96	1·43	99
1905	1·14	103	1·37	103	1·52	106	1·64	104	1·42	101	1·60	100	1·51	103	1·50	110	1·49	107	1·58	101	1·42†	111	1·41	97	1·48	105	1·75	92	1·50	104
Lustrum	1·15	104	1·28	96	*1·49*	*103*	1·63	103	1·37	98	*1·60*	*100*	1·47	100	1·38	101	1·49	107	*1·52*	*97*	1·29	101	1·40	97	1·42	101	1·80	95	1·45	101
25 years average ..	**1·11**	—	**1·33**	—	**1·44**	—	**1·58**	—	**1·40**	—	**1·60**	—	**1·47**	—	**1·36**	—	**1·39**	—	**1·56**	—	**1·28**	—	**1·45**	—	**1·41**	—	**1·90**	—	**1·44**	—
1906	1·17	105	1·44	108	1·60	111	1·81	115	1·56	111	1·86	116	1·65	112	1·44	106	1·52	109	1·71	110	1·36	106	1·50	103	1·51	107	1·94	102	1·58	110
1907	1·12	101	1·31	98	1·48	103	1·57	99	1·40	100	1·63	102	1·48	101	1·25	92	1·37	99	1·52	97	1·22	95	1·33	92	1·34	95	1·77	93	1·41	98

WEEKLY WEATHER REPORT, 1907.

Thirtieth Year. VOL. XXIV. [*New Series.*] } APPENDIX II.] { RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE AND SUNSHINE. [*Price* 1*s.*

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1907.

1907.		Eastern Districts.												Western Districts.															
WEEKS.		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL		MEANS FOR DISTRICTS 1-10 COMBINED.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.
	NUMBERS OF RAIN-DAYS—1907.																												
	1907.																												
1	Dec.30/6-Jan.5/7	6	6	5	5	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	6	6	6	6	7	7	6	6
2	Jan. 6-12 -	6	12	2	7	1	5	1	6	1	6	1	6	1	6	5	11	4	10	4	10	5	12	3	9	4	10	3	10	2	8
3	13-19 -	4	16	1	8	0	5	0	6	0	6	0	6	0	6	2	13	2	12	2	12	2	14	2	11	2	12	2	12	1	9
4	20-26 -	5	21	3	11	4	9	2	8	3	9	2	8	3	9	4	17	3	15	4	16	4	18	3	14	4	16	4	16	4	13
5	Jan. 27-Feb. 2	6	27	4	15	4	13	4	12	2	11	2	10	3	12	4	21	3	18	4	20	5	23	5	19	4	20	3	19	4	17
6	Feb. 3-9 -	5	32	3	18	4	17	4	16	3	14	3	13	3	15	4	25	3	21	3	23	5	28	5	24	4	24	4	23	3	20
7	10-16 -	5	37	5	23	5	22	5	21	5	19	5	18	5	20	6	31	6	27	6	29	7	35	6	30	6	30	5	28	6	26
8	17-23 -	7	44	5	28	3	25	4	25	4	23	3	21	4	24	5	36	5	32	5	34	6	41	4	34	5	35	5	33	4	30
9	Feb. 24-Mar. 2	4	48	2	30	3	28	2	27	1	24	1	22	2	26	2	38	2	34	1	35	2	43	2	36	2	37	1	34	2	32
10	Mar. 3-9 -	6	54	4	34	5	33	4	31	4	28	4	26	4	30	6	44	5	39	5	40	6	49	6	42	6	43	3	37	5	37
11	10-16 -	6	60	5	39	6	39	6	37	6	34	6	32	6	36	6	50	6	45	6	46	6	55	6	48	6	49	5	42	6	43
12	17-23 -	7	67	4	43	3	42	2	39	2	36	2	34	2	38	4	54	4	49	3	49	4	59	4	52	4	53	2	44	3	46
13	24-30 -	3	70	0	43	0	42	0	39	0	36	0	34	0	38	1	55	0	49	0	49	3	62	3	55	1	54	0	44	1	47
14	Mar. 31-April 6	4	74	4	47	4	46	3	42	4	40	4	38	4	42	4	59	4	53	4	53	5	67	5	60	4	58	4	48	4	51
15	April 7-13 -	4	78	4	51	4	50	5	47	5	45	4	42	4	46	2	61	4	57	6	59	5	72	7	67	5	63	5	53	4	55
16	14-20 -	5	83	3	54	2	52	3	50	2	47	3	45	2	48	2	63	2	59	3	62	3	75	4	71	3	66	2	55	3	58
17	21-27 -	7	90	3	57	3	55	4	54	4	51	4	49	4	52	4	67	4	63	4	66	5	80	4	75	4	70	5	60	4	62
18	April 28-May 4	6	96	6	63	5	60	6	60	6	57	5	54	6	58	7	74	6	69	6	72	7	87	6	81	6	76	6	66	6	68
19	May 5-11 -	5	101	5	68	5	65	3	63	5	62	4	58	4	62	6	80	6	75	6	78	6	93	7	88	6	82	5	71	5	73
20	12-18 -	4	105	2	70	4	69	4	67	3	65	4	62	4	66	2	82	2	77	1	79	1	94	1	89	2	84	2	73	3	76
21	19-25 -	4	109	6	76	5	74	6	73	5	70	5	67	5	71	4	86	4	81	5	84	4	98	4	93	4	88	3	76	5	81
22	May 26-June 1	3	112	4	80	4	78	4	77	4	74	3	70	4	75	4	90	5	86	3	87	4	102	5	98	4	92	3	79	4	85
23	June 2-8 -	6	118	5	85	6	84	4	81	5	79	3	73	5	80	6	96	6	92	5	92	6	108	6	104	6	98	4	83	6	91
24	9-15 -	6	124	6	91	6	90	6	87	7	86	6	79	6	86	7	103	7	99	7	99	7	115	6	110	7	105	6	89	6	97
25	16-22 -	6	130	5	96	3	93	1	88	4	90	1	80	3	89	6	109	6	105	5	104	6	121	5	115	5	110	3	92	4	101
26	23-29 -	6	136	5	101	4	97	4	92	5	95	5	85	4	93	6	115	6	111	6	110	6	127	6	121	6	116	5	97	5	106
27	June 30-July 6	6	142	6	107	5	102	4	96	6	101	5	90	5	98	5	120	6	117	5	115	6	133	6	127	6	122	5	102	5	111
28	July 7-13 -	6	148	6	113	4	106	3	99	4	105	3	93	4	102	4	124	5	122	4	119	5	138	5	132	4	126	2	104	4	115
29	14-20 -	0	148	1	114	1	107	0	99	0	105	0	93	0	102	1	125	1	123	0	119	1	139	1	133	1	127	0	104	1	116
30	21-27 -	2	150	2	116	3	110	4	103	5	110	4	97	4	106	2	127	4	127	5	124	4	143	4	137	4	131	4	108	4	120
31	July 28-Aug. 3	6	156	5	121	4	114	3	106	4	114	4	101	4	110	4	131	5	132	4	128	6	149	5	142	5	136	3	111	5	125
32	Aug. 4-10 -	6	162	5	126	4	118	3	109	4	118	3	104	4	114	5	136	5	137	5	133	6	155	5	147	5	141	3	114	4	129
33	11-17 -	6	168	7	133	5	123	5	114	5	123	5	109	5	119	7	143	6	143	7	140	7	162	7	154	7	148	6	120	6	135
34	18-24 -	6	174	6	139	3	126	4	118	3	126	4	113	4	123	5	148	4	147	3	143	5	167	4	158	4	152	2	122	4	139
35	Aug. 25-31 -	7	181	5	144	2	128	1	119	3	129	1	114	2	125	5	153	4	151	2	145	4	171	5	163	4	156	2	124	3	142
36	Sept. 1-7 -	7	188	5	149	4	132	5	124	5	134	5	119	5	130	4	157	4	155	6	151	5	176	5	168	5	161	4	128	5	147
37	8-14 -	4	192	2	151	0	132	0	124	0	134	0	119	0	130	3	160	1	156	0	151	3	179	3	171	2	163	0	128	1	148
38	15-21 -	4	196	1	152	1	133	0	124	0	134	1	120	1	131	2	162	1	157	0	151	2	181	1	172	1	164	0	128	1	149
39	22-28 -	4	200	2	154	2	135	1	125	1	135	1	121	1	132	1	163	1	158	1	152	1	182	2	174	1	165	3	131	1	150
40	Sept. 29-Oct. 5	3	203	3	157	4	139	5	130	3	138	5	126	4	136	4	167	3	161	5	157	5	187	5	179	4	169	5	136	4	154
41	Oct. 6-12 -	6	209	6	163	6	145	5	135	5	143	6	132	6	142	7	174	6	167	6	163	7	194	7	186	7	176	6	142	7	161
42	13-19 -	7	216	5	168	6	151	6	141	6	149	7	139	6	148	6	180	7	174	7	170	5	199	6	192	6	182	7	149	6	167
43	20-26 -	6	222	5	173	4	155	4	145	5	154	5	144	4	152	6	186	5	179	6	176	6	205	6	198	6	188	6	155	5	172
44	Oct. 27-Nov. 2	3	225	5	178	4	159	3	148	4	158	5	149	4	156	2	188	4	183	6	182	4	209	6	204	4	192	6	161	4	176
45	Nov. 3-9 -	4	229	4	182	4	163	2	150	5	163	2	151	3	159	3	191	4	187	4	186	3	212	4	208	4	196	5	166	4	180
46	10-16 -	6	235	4	186	4	167	5	155	3	166	2	153	4	163	6	197	5	192	4	190	6	218	5	213	5	201	3	169	4	184
47	17-23 -	5	240	4	190	5	172	4	159	4	170	3	156	4	167	5	202	5	197	5	195	6	224	4	217	5	206	3	172	5	189
48	Nov. 24-30 -	5	245	3	193	5	177	6	165	5	175	5	161	5	172	4	206	5	202	5	200	4	228	6	223	5	211	4	176	5	194
49	Dec. 1-7 -	6	251	4	197	5	182	5	170	5	180	5	166	5	177	7	213	6	208	7	207	6	234	6	229	7	218	6	182	6	200
50	8-14 -	6	257	5	202	6	188	6	176	7	187	6	172	6	183	6	219	6	214	6	213	6	240	6	235	6	224	7	189	6	206
51	15-21 -	7	264	6	208	4	192	3	179	4	191	4	176	4	187	6	225	5	219	6	219	7	247	7	242	6	230	3	192	5	211
52	Dec. 22-28 -	3	267	4	212	4	196	3	182	3	194	3	179	3	190	3	228	2	221	3	222	4	251	5	247	3	233	5	197	3	214

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TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1907.

1907.		0. Scotland, N.		Eastern Districts.										Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30 1906.	For the Week.	From Dec. 31 1906.
		RAINFALL IN INCHES—1907.																											
	1907.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
1	Dec.30/6-Jan.5/7	2·05	2·05	0·88	0·88	0·44	0·44	*0·82*	0·82	0·70	0·70	0·99	0·99	0·77	0·77	1·47	1·47	0·99	0·99	1·45	1·45	1·21	1·21	0·85	0·85	1·19	1·19	1·05	1·05	0·98	0·98
2	Jan. 6-12 -	1·24	3·29	0·06	0·94	0·03	0·47	*0·27*	1·09	0·07	0·77	0·11	1·10	0·11	0·88	0·50	1·97	0·19	1·18	0·15	1·60	0·20	1·41	0·16	1·01	0·24	1·43	0·11	1·16	0·17	1·15
3	13-19 -	0·96	4·25	0·04	0·98	0·00	0·47	*0·01*	1·10	0·01	0·78	0·01	1·11	0·01	0·89	0·31	2·28	0·07	1·25	0·05	1·65	0·12	1·53	0·16	1·17	0·14	1·57	0·11	1·27	0·08	1·23
4	20-26 -	0·52	4·77	0·10	1·08	0·11	0·58	*0·14*	1·24	0·16	0·94	0·13	1·24	0·13	1·02	0·57	2·85	0·35	1·60	0·46	2·11	0·48	2·01	0·16	1·33	0·41	1·98	0·27	1·54	0·27	1·50
5	Jan. 27-Feb. 2	1·60	6·37	0·59	1·67	0·36	0·94	*0·27*	1·51	0·21	1·15	0·09	1·33	0·30	1·32	0·73	3·58	0·41	2·01	0·38	2·49	0·58	2·59	0·38	1·71	0·50	2·48	0·30	1·84	0·40	1·90
6	Feb. 3-9 -	0·91	7·28	0·23	1·90	0·21	1·15	*0·26*	1·77	0·16	1·31	0·16	1·49	0·21	1·53	0·81	4·39	0·23	2·24	0·39	2·88	0·79	3·38	0·63	2·34	0·57	3·05	0·33	2·17	0·39	2·29
7	10-16 -	2·16	9·44	0·69	2·59	0·73	1·88	*0·64*	2·41	0·66	1·97	0·83	2·32	0·71	2·24	1·73	6·12	1·04	3·28	0·97	3·85	0·61	3·99	0·87	3·21	1·04	4·09	0·87	3·04	0·87	3·16
8	17-23 -	2·26	11·70	0·73	3·32	0·28	2·16	*0·26*	2·67	0·45	2·42	0·39	2·71	0·42	2·66	1·34	7·46	0·80	4·08	0·85	4·70	1·03	5·02	0·50	3·71	0·90	4·99	0·55	3·59	0·66	3·82
9	Feb. 24-Mar. 2	0·38	12·08	0·12	3·44	0·12	2·28	*0·07*	2·74	0·04	2·46	0·01	2·72	0·07	2·73	0·29	7·75	0·12	4·20	0·01	4·71	0·09	5·11	0·06	3·77	0·11	5·10	0·01	3·60	0·09	3·91
10	Mar. 3-9 -	1·95	14·03	0·57	4·01	0·43	2·71	*0·43*	3·17	0·35	2·81	0·33	3·05	0·42	3·15	1·40	9·15	1·02	5·22	0·40	5·11	1·16	6·27	0·37	4·14	0·87	5·97	0·30	3·90	0·65	4·56
11	10-16 -	1·60	15·63	0·71	4·72	0·30	3·01	*0·40*	3·57	0·41	3·22	0·44	3·49	0·45	3·60	1·84	10·99	1·26	6·48	0·76	5·87	1·63	7·90	0·33	5·07	1·28	7·25	0·33	4·23	0·86	5·42
12	17-23 -	1·31	16·94	0·47	5·19	0·28	3·29	*0·22*	3·79	0·29	3·51	0·07	3·56	0·27	3·87	0·75	11·74	0·63	7·11	0·25	6·12	0·94	8·84	0·37	5·44	0·59	7·84	0·11	4·34	0·43	5·85
13	24-30 -	0·28	17·22	0·00	5·19	0·00	3·29	*0·00*	3·79	0·00	3·51	0·00	3·56	0·00	3·87	0·07	11·81	0·00	7·11	0·00	6·12	0·36	9·20	0·26	5·70	0·14	7·98	0·00	4·34	0·07	5·92
14	Mar. 31-April 6	0·80	18·02	0·75	5·94	0·71	4·00	*0·31*	4·10	0·32	3·83	0·71	4·27	0·56	4·43	1·40	13·21	0·52	7·63	1·08	7·20	0·95	10·15	1·31	7·01	1·05	9·03	0·63	4·97	0·81	6·73
15	April 7-13 -	0·37	18·39	0·76	6·70	0·42	4·42	*0·68*	4·78	0·93	4·76	0·93	5·20	0·74	5·17	0·18	13·39	0·27	7·90	1·46	8·66	0·49	10·64	0·84	7·85	0·65	9·68	1·12	6·09	0·89	7·42
16	14-20 -	0·45	18·84	0·17	6·87	0·11	4·53	*0·19*	4·97	0·21	4·97	0·31	5·51	0·20	5·37	0·62	14·01	0·27	8·17	0·73	9·39	0·23	10·87	0 40	8·25	0·45	10·13	0·37	6·46	0·33	7·75
17	21-27 -	0·81	19·65	0·16	7·03	0·25	4·78	*0·79*	5·76	0·51	5·48	1·02	6·53	0·55	5·92	0·57	14·58	0·31	8·48	0·78	10·17	0·62	11·49	0·32	8·57	0·52	10·65	0·61	7·07	0·53	8·28
18	April 28-May 4	1·30	20·95	0·88	7·91	0·49	5·27	*0·97*	6·73	0·57	6·05	0·73	7·26	0·73	6·65	1·68	16·26	1·00	9·48	0·98	11·15	1·31	12·80	0·71	9·28	1·13	11·78	1·01	8·08	0·93	9·21
19	May 5-11 -	0·66	21·61	0·40	8·31	0·34	5·61	*0·21*	6·94	0·46	6·51	0·39	7·65	0·36	7·01	1·23	17·49	0·74	10·22	1·04	12·19	1·13	13·93	1·65	10·93	1·16	12·94	0·74	8·82	0·76	9·97
20	12-18 -	0·15	21·76	0·09	8·40	0·75	6·36	*0·46*	7·40	0·75	7·26	0·39	8·04	0·49	7·50	0·31	17·80	0·34	10·56	0·11	12·30	0·23	14·16	0·25	11·18	0·25	13·19	0·39	9·21	0·37	10·34
21	19-25 -	0·79	22·55	0·50	8·90	1·08	7·44	*0·69*	8·09	0·79	8·05	0·52	8·56	0·71	8·21	0·61	18·41	0·29	10·85	0·60	12·90	0·69	14·85	0·18	11·36	0·47	13·66	0·81	10·02	0·59	10·93
22	May 26-June 1	0·37	23·22	1·63	10·53	1·36	8·80	*0·98*	9·07	1·10	9·15	0·63	9·19	1·14	9·35	1·20	19·61	1·00	11·85	0·54	13·44	1·33	16·18	1·03	12·39	1·02	14·68	0·32	10·34	1·08	12·01
23	June 2-8 -	1·12	24·34	0·94	11·47	0·46	9·26	*0·35*	9·42	0·49	9·55	0·35	9·54	0·50	9·85	1·47	21·08	1·42	13·27	0·77	14·21	1·09	17·27	1·13	13·52	1·17	15·85	0·26	10·60	0·83	12·84
24	9-15 -	1·00	25·34	1·17	12·64	1·00	10 26	*0·62*	10·04	1·07	10·62	0·80	10·34	0·93	10·78	1·57	22·65	1·36	14·63	1·43	15·64	1·14	18·41	0·95	14·47	1·29	17·14	0·67	11·27	1·11	13·95
25	16-22 -	0·94	26·28	0·44	13·08	0·45	10·71	*0·04*	10·08	0·35	10·97	0·03	10·37	0·26	11·04	1·26	23·91	1·20	15·83	0·39	16·03	1·31	19·72	0·70	15·17	0·97	18·11	0·06	11·33	0·62	14·57
26	23-29 -	1·36	27·64	0·63	13·71	0·65	11·36	*0·57*	10·65	0·53	11·50	0·54	10·91	0·59	11·63	0·91	24·82	0·94	16·77	0·95	16·98	0·90	20·62	0·73	15·90	0·89	19·00	0·30	11·63	0·74	15·31
27	June 30-July 6	0·57	28·21	0·76	14·47	0·38	11·74	0·44	11·09	0·88	12·38	0·63	11·54	0·62	12·25	0·76	25·58	0·82	17·59	1·26	18·24	0·98	21·60	1·00	16·90	0·96	19·96	1·15	12·78	0·79	16·10
28	July 7-13 -	0·85	29·06	0·96	15·43	0·38	12·12	0·48	11·57	0·51	12·89	0·20	11·74	0·50	12·75	1·05	26·63	0·70	18·29	0·33	18·57	0·86	22·46	0·50	17·40	0·69	20·65	0·06	12·84	0·59	16·69
29	14-20 -	0·00	29·06	0·07	15·50	0·01	12·13	0·00	11·57	0·00	12·89	0·00	11·74	0·02	12·77	0·03	26·66	0·02	18·31	0·00	18·57	0·01	22·47	0·16	17·56	0·04	20·69	0·00	12·84	0·03	16·72
30	21-27 -	0·36	29·42	0·17	15·67	0·17	12·30	0·43	12·00	1·43	14·32	0·52	12·26	0·54	13·31	0·31	26·97	0·75	19·06	1·12	19·69	0·26	22·73	0 80	18·36	0·65	21·34	0·71	13·55	0·60	17·32
31	July 28-Aug. 3	0·67	30·09	0·68	16·35	0·49	12·79	0·65	12·65	0·78	15·10	0·36	12·62	0·59	13·90	0·84	27·81	0·61	19·67	0·90	20·59	1·27	24·00	1·26	19·62	0·93	22·32	0·13	13·68	0·79	18·11
32	Aug. 4-10 -	1·56	31·65	0·62	16·97	0·31	13·10	0·16	12·81	0·25	15·35	0·22	12·84	0·31	14·21	1·40	29·21	1·25	20·92	0·62	21·21	1·00	25·00	0·57	20·19	0·97	23·29	0·24	13·92	0·84	18·75
33	11-17 -	1·18	32·83	1·34	18·31	1·18	14·28	0·66	13·47	1·09	16·44	1·12	13·96	1·08	15·29	1·99	31·20	1·35	22·27	1·52	22·73	1·42	26·42	1·09	21·28	1·47	24·76	0·64	14·56	1·27	20·02
34	18-24 -	1·40	34·23	0·47	18·78	0·20	14·48	0·25	13·72	0·27	16·71	0·28	14·24	0·30	15·59	0·86	32·06	0·47	22·74	0·16	22·89	0·62	27·04	0·35	21·63	0·49	25·25	0·16	14·72	0·40	20·42
35	Aug. 25-31 -	1·63	35·86	0·66	19·44	0·15	14·63	0·07	13·79	0·12	16·83	0·08	14·32	0·21	15·80	1·11	33·17	0·44	23·18	0·11	23·00	0·30	27·34	0·57	22·20	0·51	25·76	0·03	14·75	0·36	20·78
36	Sept. 1-7 -	1·32	37·18	0·93	20·37	0·44	15·07	0·39	14·18	0·66	17·49	0·55	14·87	0·59	16·39	0·84	34·01	0·59	23·77	0·99	23·99	0·96	28·30	0·74	22·94	0·82	26·58	0·51	15·26	0·70	21·48
37	8-14 -	0·27	37·45	0·15	20·52	0·00	15·07	0·00	14·18	0·00	17·49	0·00	14·87	0·03	16·42	0·21	34·22	0·02	23·79	0·00	23·99	0·22	28·52	0·06	23·00	0·10	26·68	0·00	15·26	0·07	21·55
38	15-21 -	0·34	37·79	0·03	20·55	0·01	15·08	0·00	14·18	0·00	17·49	0·01	14·88	0·01	16·43	0·15	34·37	0·02	23·81	0·00	23·99	0·08	28·60	0·01	23·01	0·05	26·73	0·00	15·26	0·03	21·58
39	22-28 -	0·26	38·05	0·05	20·60	0·05	15·13	0·03	14·21	0·02	17·51	0·03	14·91	0·04	16·47	0·02	34·39	0·01	23·82	0·27	24·26	0·09	28·69	0·71	23·72	0·22	26·95	1·00	16·26	0·13	21·71
40	Sept. 29-Oct. 5	0·43	38·48	0·14	20·74	0·22	15·35	0·68	14·87	0·24	17·75	0·69	15·60	0·39	16·86	0·67	35·06	0·59	24·41	0·88	25·14	0·82	29·51	1·13	24·85	0·82	27·77	1·49	17·75	0·61	22·32
41	Oct. 6-12 -	1·03	39·51	1·96	22·70	1·32	16·67	0·85	15·72	1·31	19·06	1·22	16·82	1·33	18·19	1·87	36·93	1·47	25·88	1·82	26·96	1·82	31·33	1·64	26·49	1·72	29·49	1·09	18·84	1·52	23·84
42	13-19 -	1·01	40·52	2·40	25·10	1·94	18·61	0·94	16·66	2·02	21·08	2·50	19·32	1·96	20·15	2·70	39·63	1·81	27·69	2·17	29·13	0·66	31·99	1·08	27·57	1·68	31·17	2·54	21·38	1·82	25·66
43	20-26 -	0·29	40·81	0·61	25·71	0·55	19·16	0·16	16·82	0·76	21·84	0·56	19·88	0·53	20·68	1·17	40·80	1·00	28·69	1·20	30·33	1·13	33·12	1·23	28·80	1·15	32·32	0·91	22·29	0·84	26·50
44	Oct. 27-Nov. 2	0·24	41·05	0·59	26·30	0·77	19·93	0·30	17·12	1·23	23·07	0·97	20·85	0·77	21·45	0·18	40·98	0·72	29·41	1·61	31·94	0·28	33·40	1·28	30·08	0·81	33·13	1·17	23·46	0·79	27·29
45	Nov. 3-9 -	0·29	41·34	0·33	26·63	0·23	20·16	0·06	17·18	0·39	23·46	0·13	20·98	0·23	21·68	0·36	41·34	0·30	29·71	0·60	32·54	0·31	33·71	0·68	30·76	0·45	33·58	0·20	23·66	0·34	27·63
46	10-16 -	1·73	43·07	0·53	27·16	0·45	20·61	0·27	17·45	0·21	23·67	0·08	21·06	0·31	21·99	1·60	42·94	0·63	30·34	0·23	32·77	0·78	34·49	0·28	31·04	0·70	34·28	0·10	23·76	0·51	28·14
47	17-23 -	1·58	44·65	0·36	27·52	0·47	21·08	0·70	18·15	0·61	24·28	0·56	21·62	0·54	22·53	1·18	44·12	0·82	31·16	1·06	33·83	0·81	35·30	0·71	31·75	0·92	35·20	0·69	24·45	0·73	28·87
48	Nov. 24-30 -	0·86	45·51	0·74	28·26	0·79	21·87	1·17	19·32	1·10	25·38	1·53	23·15	1·07	23·60	1·26	45·38	1·37	32·53	1·53	35·36	1·06	36·36	1·75	33·50	1·39	36·59	2·23	26·68	1·23	30·10
49	Dec. 1-7 -	1·66	47·17	1·05	29·31	0·76	22·63	0·82	20·14	1·27	26·65	1·14	24·29	1·01	24·61	2·12	47·50	1·57	34·10	2·34	37·70	1·28	37·64	1·53	35·03	1·77	38·36	1·30	27·98	1·39	31·49
50	8-14 -	2·09	49·26	1·29	30·60	1·08	23·71	1·35	21·49	1·57	28·22	1·91	26·20	1·44	26·05	1·52	49·02	1·46	35·56	2·41	40·11	P06	38·70	0·93	35·96	1·47	39·83	1·36	29·34	1·45	32·94
51	15-21 -	1·06	50·32	1·05	31·65	0·38	24·09	0·06	21·55	0·18	28·40	0·12	26·32	0·36	26·41	1·26	50·98	0·97	36·53	0·56	40·67	1·51	40·21	1·73	37·69	1·35	41·18	0·17	29·51	0·86	33·80
52	Dec. 22-28 -	0·30	50·62	0·26	31·91	0·27	24·36	0·35	21·90	0·15	28·55	0·29	26·61	0·26	26·67	0·10	51·08	0·08	36·61	0·38	41·05	0·20	40·41	1·28	38·97	0·41	41·59	0·91	30·42	0·34	34·14

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1907.

1907.		0. Scotland, N.		Eastern Districts.										Western Districts.														Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.			
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.
	DAY-DEGREES ABOVE 42° FAHRENHEIT—1907.																														
	1907.																														
1	Dec. 30/6-Jan. 5/7	0	0	0	0	0	0	2	2	4	4	9	9	3	3	0	0	4	4	11	11	8	8	16	16	8	8	27	27	6	6
2	Jan. 6-12 -	21	21	25	25	23	23	11	13	23	27	20	29	20	23	21	21	20	24	21	32	23	31	31	47	23	31	32	59	22	28
3	13-19 -	18	39	12	37	8	31	8	21	7	34	15	44	10	33	18	39	14	38	15	47	18	49	29	76	19	50	23	82	14	42
4	20-26 -	0	39	0	37	0	31	0	21	0	34	0	44	0	33	0	39	0	38	0	47	0	49	0	76	0	50	0	82	0	42
5	Jan. 27-Feb. 2	0	39	0	37	0	31	0	21	0	34	0	44	0	33	0	39	0	38	2	49	6	55	13	89	4	54	17	99	2	44
6	Feb. 3-9 -	0	39	0	37	0	31	0	21	0	34	0	44	0	33	0	39	0	38	0	49	0	55	4	93	1	55	0	99	1	45
7	10-16 -	1	40	2	39	5	36	3	24	7	41	8	52	5	38	5	44	5	43	12	61	10	65	28	121	12	67	23	122	8	53
8	17-23 -	0	40	0	39	5	41	7	31	7	48	6	58	5	43	6	50	4	47	6	57	6	71	12	133	7	74	16	138	6	59
9	Feb. 24-Mar. 2	13	53	30	69	34	75	15	46	18	66	15	73	22	65	25	75	13	60	13	80	22	93	24	157	20	94	25	163	21	80
10	Mar. 3-9 -	8	61	12	81	11	86	12	58	14	80	15	88	13	78	14	89	16	76	17	97	27	120	32	189	21	115	27	190	17	97
11	10-16 -	3	64	8	89	17	103	19	77	19	99	24	112	17	95	13	102	15	91	24	121	24	144	34	223	22	137	27	217	20	117
12	17-23 -	10	74	18	107	33	136	41	118	40	139	41	153	35	130	29	131	29	120	37	158	32	176	40	263	33	170	43	260	34	151
13	24-30 -	40	114	57	164	68	204	54	172	76	215	59	212	63	193	46	177	56	176	60	218	43	219	52	315	51	221	54	314	57	208
14	Mar. 31-April 6	35	149	39	203	49	253	53	225	60	275	51	263	50	243	44	221	51	227	44	262	30	249	33	348	40	261	53	367	45	253
15	April 7-13 -	23	172	15	218	22	275	28	253	28	303	30	293	25	268	29	250	25	252	26	288	28	277	29	377	27	288	32	399	26	279
16	14-20 -	16	188	19	237	20	295	31	284	35	338	34	327	28	296	33	283	32	284	34	322	31	308	40	417	34	322	40	439	31	310
17	21-27 -	27	215	41	278	46	341	48	332	47	385	53	380	47	343	40	323	39	323	45	367	38	346	57	474	44	366	57	496	46	356
18	April 28-May 4	26	241	32	310	34	375	39	371	35	420	36	416	35	378	29	352	27	350	32	399	28	374	34	508	30	396	42	538	33	389
19	May 5-11 -	50	291	55	365	76	451	86	457	83	503	86	502	77	455	62	414	73	423	71	470	55	429	56	564	63	459	83	621	70	459
20	12-18 -	41	332	44	409	55	506	75	532	64	567	76	578	63	518	55	469	64	487	65	535	47	476	62	626	59	518	71	692	61	520
21	19-25 -	37	369	27	436	37	543	53	585	46	613	53	631	43	561	41	510	40	527	47	582	41	517	53	679	44	562	66	758	43	563
22	May 26-June 1	34	403	28	464	51	594	74	659	72	685	85	716	62	623	58	568	69	596	83	665	71	588	93	772	75	637	88	846	68	631
23	June 2-8 -	33	436	43	507	67	661	85	744	74	759	84	800	71	694	55	623	68	664	76	741	61	649	82	854	68	705	87	933	70	701
24	9-15 -	78	514	90	597	109	770	114	858	103	862	105	905	104	798	91	714	102	766	92	833	85	734	94	948	93	798	102	1035	98	799
25	16-22 -	57	571	66	663	85	855	97	955	83	945	91	996	84	882	68	782	76	842	78	911	67	801	82	1030	74	872	99	1134	79	878
26	23-29 -	50	621	54	717	81	936	99	1054	81	1026	96	1092	82	964	62	844	68	910	78	989	61	862	74	1104	69	941	99	1233	76	954
27	June 30-July 6	53	674	55	772	71	1007	84	1138	68	1094	83	1175	72	1036	64	908	67	977	74	1063	68	930	74	1178	69	1010	95	1328	71	1025
28	July 7-13 -	61	735	70	842	79	1086	94	1232	76	1170	93	1268	83	1119	79	987	79	1056	78	1141	78	1008	87	1265	80	1090	100	1428	81	1106
29	14-20 -	118	853	118	960	120	1206	122	1354	145	1315	137	1405	128	1247	160	1147	148	1204	153	1294	142	1150	169	1434	154	1244	145	1573	141	1247
30	21-27 -	84	937	82	1042	97	1303	105	1459	114	1429	125	1530	105	1352	113	1260	116	1320	131	1425	120	1270	143	1577	125	1369	149	1722	115	1362
31	July 28-Aug. 3	69	1006	76	1118	105	1408	119	1578	109	1538	118	1648	105	1457	95	1355	102	1422	109	1534	98	1368	114	1691	104	1473	128	1850	105	1467
32	Aug. 4-10 -	84	1090	99	1217	126	1534	139	1717	126	1664	131	1779	124	1581	102	1457	113	1535	117	1651	102	1470	113	1804	109	1582	135	1985	116	1583
33	11-17 -	60	1150	74	1291	118	1652	134	1851	118	1782	128	1907	115	1696	95	1552	111	1646	116	1767	101	1571	117	1921	108	1690	136	2121	111	1694
34	18-24 -	64	1214	74	1365	92	1744	101	1952	92	1874	107	2014	93	1789	84	1636	91	1737	99	1866	84	1655	104	2025	92	1782	124	2245	93	1787
35	Aug. 25-31 -	61	1275	66	1431	98	1842	120	2072	104	1978	125	2139	103	1892	73	1709	90	1827	117	1983	78	1733	100	2125	92	1874	134	2379	97	1884
36	Sept. 1-7 -	45	1320	56	1487	81	1923	104	2176	86	2064	109	2248	87	1979	65	1774	79	1906	99	2082	69	1802	85	2210	79	1953	128	2507	83	1967
37	8-14 -	81	1401	85	1572	104	2027	115	2291	109	2173	127	2375	108	2087	97	1871	115	2021	125	2207	102	1904	124	2334	113	2066	141	2648	111	2078
38	15-21 -	76	1477	88	1660	99	2126	97	2388	102	2275	102	2477	98	2185	91	1962	103	2124	105	2312	106	2010	117	2451	104	2170	127	2775	101	2179
39	22-28 -	86	1563	81	1741	93	2219	106	2494	98	2373	119	2596	99	2284	98	2060	112	2236	113	2425	107	2117	122	2573	110	2280	135	2910	104	2283
40	Sept. 29-Oct. 5	71	1634	60	1801	79	2298	99	2593	81	2454	94	2690	83	2367	77	2137	81	2317	85	2510	84	2201	95	2668	85	2365	107	3017	84	2367
41	Oct. 6-12 -	39	1673	45	1846	64	2362	76	2669	57	2511	83	2773	65	2432	53	2190	60	2377	64	2574	50	2251	53	2721	56	2421	94	3111	61	2428
42	13-19 -	33	1706	37	1883	51	2413	71	2740	48	2559	70	2843	55	2487	35	2225	44	2421	53	2627	36	2287	39	2760	41	2462	82	3193	48	2476
43	20-26 -	43	1749	35	1918	39	2452	55	2795	42	2601	60	2903	46	2533	46	2271	41	2462	47	2674	45	2332	42	2802	44	2506	81	3274	45	2521
44	Oct. 27-Nov. 2	29	1778	26	1944	41	2493	43	2838	37	2638	54	2957	40	2573	34	2305	40	2502	46	2720	41	2373	47	2849	42	2548	76	3350	41	2562
45	Nov. 3- -	30	1808	31	1975	48	2541	55	2893	43	2681	58	3015	47	2620	33	2338	42	2544	48	2768	34	2407	33	2882	38	2586	76	3426	42	2604
46	10-16 -	30	1838	32	2007	32	2573	32	2925	33	2714	35	3050	33	2653	32	2370	33	2577	35	2803	34	2441	38	2920	34	2620	62	3488	34	2638
47	17-23 -	13	1851	13	2020	10	2583	22	2947	11	2725	25	3075	16	2669	15	2385	14	2591	25	2828	15	2456	27	2947	19	2639	33	3521	18	2656
48	Nov. 24-30 -	0	1851	1	2021	8	2591	28	2975	11	2736	32	3107	16	2685	1	2386	7	2598	27	2855	6	2462	12	2959	11	2650	52	3573	14	2670
49	Dec. 1-7 -	6	1857	1	2022	11	2602	16	2991	14	2750	31	3138	14	2699	8	2394	13	2611	29	2884	11	2473	17	2976	15	2665	43	3616	14	2684
50	8-14 -	4	1861	3	2025	12	2614	25	3016	20	2770	29	3167	18	2717	11	2405	19	2630	27	2911	21	2494	21	3000	20	2685	46	3662	19	2703
51	15-21 -	10	1871	8	2033	21	2635	25	3041	26	2796	27	3194	21	2738	21	2426	25	2655	34	2945	27	2521	38	3038	29	2714	47	3709	25	2728
52	Dec. 22-28 -	0	1871	0	2033	0	2635	0	3041	0	2796	3	3197	1	2739	1	2427	0	2655	2	2947	4	2525	17	3055	5	2719	26	3735	3	2731

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1907.

1907.		0. Scotland, N.		Eastern Districts.												Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.							
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.
	DAY-DEGREES BELOW 42° FAHRENHEIT—1907.																														
	1907.																														
1	Dec.30/6-Jan.5/7	61	61	70	70	44	44	42	42	41	41	32	32	46	46	36	36	31	31	30	30	35	35	33	33	33	33	3	3	40	40
2	Jan. 6-12 -	7	68	11	81	11	55	22	64	13	54	11	43	13	59	2	38	5	36	9	39	3	38	6	39	5	38	0	3	9	49
3	13-19 -	11	79	23	104	21	76	20	84	23	77	7	50	19	78	3	41	8	44	5	44	0	38	0	39	3	41	0	3	11	60
4	20-26 -	48	127	60	164	69	145	77	161	81	158	74	124	72	150	48	89	61	105	62	106	36	74	39	78	49	90	28	31	60	120
5	Jan. 27-Feb. 2	53	180	61	225	50	195	51	212	48	206	43	167	51	201	45	134	44	149	39	145	28	102	26	104	36	126	8	39	43	163
6	Feb. 3-9 -	41	221	60	285	63	258	68	280	67	273	64	231	64	265	50	184	59	208	55	200	38	140	34	138	47	173	32	71	55	218
7	10-16 -	44	265	38	323	31	289	31	311	33	306	29	260	33	298	31	215	28	236	27	227	29	169	17	155	27	200	5	76	30	248
8	17-23 -	50	315	42	365	35	324	30	341	32	338	28	288	33	331	34	249	28	264	25	252	28	197	24	179	28	228	4	80	31	279
9	Feb. 24-Mar. 2	20	335	17	382	19	343	38	379	39	377	36	324	30	361	15	264	26	290	36	288	11	208	12	191	20	248	10	90	25	304
10	Mar. 3-9 -	29	364	33	415	36	379	34	413	37	414	30	354	34	395	24	288	28	318	30	318	11	219	6	197	20	268	5	95	27	331
11	10-16 -	42	406	42	457	31	410	28	441	28	442	14	368	29	424	30	318	22	340	10	328	11	230	0	197	14	282	0	95	21	352
12	17-23 -	26	432	27	484	14	424	14	455	15	457	11	379	16	440	14	332	12	352	11	339	17	247	9	206	13	295	0	95	15	367
13	24-30 -	2	434	9	493	16	440	25	480	25	482	20	399	19	459	8	340	13	365	18	357	3	250	8	214	10	305	1	96	15	382
14	Mar. 31-April 6	10	444	13	506	9	449	7	487	14	496	6	405	10	469	13	353	11	376	11	368	12	262	13	227	12	317	0	96	11	393
15	April 7-13 -	12	456	22	528	10	459	10	497	12	508	11	416	13	482	14	367	11	387	9	377	13	275	9	236	11	328	0	96	12	405
16	14-20 -	27	483	35	563	28	487	14	511	18	526	14	430	22	504	17	384	18	405	12	389	9	284	9	245	13	341	0	96	17	422
17	21-27 -	10	493	8	571	1	488	0	511	0	526	0	430	2	506	5	389	0	405	0	389	0	284	0	245	1	342	0	96	2	424
18	April 28-May 4	15	508	15	586	9	497	6	517	9	535	4	434	8	514	10	399	8	413	4	393	7	291	6	251	7	349	0	96	8	432
19	May 5-11 -	0	508	0	586	0	497	0	517	0	535	0	434	0	514	0	399	0	413	0	393	0	291	0	251	0	349	0	96	0	432
20	12-18 -	2	510	0	586	0	497	0	517	0	535	0	434	0	514	0	399	0	413	0	393	0	291	0	251	0	349	0	96	0	432
21	19-25 -	6	516	5	591	4	501	1	518	5	540	0	434	3	517	5	404	5	418	3	396	1	292	5	256	4	353	0	96	3	435
22	May 26-June 1	5	521	8	599	0	501	0	518	0	540	0	434	2	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
23	June 2-8 -	1	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
24	9-15 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
25	16-22 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
26	23-29 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
27	June 30-July 6	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
28	July 7-13 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
29	14-20 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
30	21-27 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
31	July 28-Aug. 3	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
32	Aug. 4-10 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
33	11-17 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
34	18-24 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
35	Aug. 25-31 -	0	522	0	599	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
36	Sept. 1-7 -	2	524	1	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
37	8-14 -	0	524	0	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
38	15-21 -	0	524	0	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
39	22-28 -	0	524	0	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
40	Sept. 29-Oct. 5	0	524	0	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
41	Oct. 6-12 -	4	528	0	600	0	501	0	518	0	540	0	434	0	519	0	404	0	418	0	396	0	292	0	256	0	353	0	96	0	435
42	13-19 -	9	537	8	608	0	501	0	518	0	540	0	434	2	521	3	407	0	418	0	396	4	296	5	261	3	356	0	96	3	438
43	20-26 -	0	537	0	608	1	502	0	518	4	544	0	434	1	522	0	407	0	418	0	396	0	296	1	262	0	356	0	96	0	438
44	Oct. 27-Nov. 2	11	548	5	613	0	502	0	518	1	545	0	434	1	523	3	410	0	418	0	396	0	296	0	262	0	356	0	96	1	439
45	Nov 3-9 -	8	556	5	618	0	502	0	518	0	545	0	434	1	524	2	412	0	418	0	396	0	296	2	264	1	357	0	96	1	440
46	10-16 -	10	566	17	635	10	512	13	531	13	558	9	443	13	537	8	420	6	424	7	403	4	300	9	273	7	364	0	96	10	450
47	17-23 -	25	591	32	667	28	540	8	539	25	583	8	451	20	557	28	448	24	448	8	411	24	324	17	290	20	384	0	96	20	470
48	Nov. 24-30 -	37	628	45	712	32	572	18	557	33	616	10	461	28	585	38	486	31	479	11	422	31	355	25	315	27	411	0	96	28	498
49	Dec. 1-7 -	28	656	34	746	35	607	33	590	35	651	13	474	30	615	29	515	27	506	13	435	29	384	32	347	26	437	0	96	28	526
50	8-14 -	23	679	32	778	22	629	7	597	13	664	2	476	15	630	12	527	11	517	7	442	11	395	11	358	10	447	0	96	13	539
51	15-21 -	22	701	26	804	11	640	9	606	8	672	3	479	11	641	6	533	3	520	0	442	1	396	0	358	2	449	0	96	6	545
52	Dec. 22-28 -	26	727	35	839	27	667	22	628	34	706	13	492	26	667	24	557	28	548	15	457	20	416	11	369	20	469	0	96	23	568

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1907.

1907.		0. Scotland, N.		Eastern Districts.										Western Districts.										11. English Channel.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
Weeks.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.
Numbers of Hours of Bright Sunshine—1907.																													
	1907.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Dec.30/6-Jan.5/7	3	3	5	5	9	9	11	11	9	9	15	15	10	10	4	4	5	5	10	10	8	8	8	8	7	7	11	11	9	9
2	Jan. 6-12 -	4	7	11	16	15	24	16	27	10	19	10	25	12	22	4	8	7	12	11	21	3	11	6	14	6	13	14	25	9	18
3	13-19 -	7	14	13	29	21	45	16	43	11	30	13	38	15	37	2	10	10	22	7	28	5	16	4	18	6	19	10	35	10	28
4	20-26 -	5	19	11	40	16	61	17	60	17	47	13	51	15	52	8	18	14	36	22	50	14	30	12	30	14	33	13	48	15	43
5	Jan. 27-Feb. 2	5	24	17	57	20	81	20	80	23	70	22	73	21	73	17	35	21	57	25	75	12	42	14	44	18	51	25	73	20	63
6	Feb. 3-9 -	25	49	28	85	16	97	12	92	14	84	15	88	17	90	20	55	25	82	19	94	25	67	23	67	22	73	14	87	19	82
7	10-16 -	16	65	23	108	21	118	18	110	17	101	21	109	20	110	20	75	19	101	23	117	21	88	21	88	21	94	29	116	21	103
8	17-23 -	15	80	29	137	35	153	29	139	30	131	29	138	30	140	28	103	26	127	22	139	19	107	26	114	24	118	18	134	27	130
9	Feb. 24-Mar. 2	13	93	24	161	26	179	17	156	24	155	21	159	23	163	13	116	18	145	18	157	10	117	13	127	15	133	26	160	19	149
10	Mar. 3-9 -	19	112	25	186	29	208	34	190	20	175	33	192	28	191	23	139	28	173	25	182	23	140	22	149	24	157	34	194	26	175
11	10-16 -	24	136	36	222	39	247	33	223	28	203	30	222	33	224	23	162	27	200	20	202	19	159	17	166	21	178	29	223	27	202
12	17-23 -	25	161	42	264	56	303	56	279	54	257	58	280	53	277	45	207	46	246	48	250	45	204	42	208	45	223	53	276	49	251
13	24-30 -	32	193	45	309	60	363	67	346	61	318	69	349	60	337	36	243	60	306	65	315	35	239	48	256	49	272	73	349	54	305
14	Mar. 31-April 6	41	234	37	346	43	406	50	396	44	362	50	399	45	382	35	278	47	353	40	355	35	274	28	284	37	309	43	392	41	346
15	April 7-13 -	31	265	24	370	20	426	21	417	18	380	29	428	22	404	30	308	19	372	27	382	24	298	25	319	27	336	42	434	25	371
16	14-20 -	29	294	42	412	38	464	41	458	31	411	41	469	39	443	27	335	39	411	46	428	20	318	34	353	33	369	48	482	36	407
17	21-27 -	43	337	48	460	40	504	29	487	32	443	38	507	37	480	42	377	39	450	40	468	34	352	45	398	40	409	39	521	38	445
18	April 28-May 4	27	364	27	487	42	546	43	530	44	487	41	548	40	520	34	411	32	482	46	514	33	385	39	437	37	446	46	567	39	484
19	May 5-11 -	32	396	30	517	37	583	57	587	38	525	47	595	42	562	26	437	32	514	22	536	35	420	29	466	29	475	37	604	36	520
20	12-18 -	33	429	28	545	36	619	44	631	34	559	40	635	36	598	55	492	38	552	50	586	57	477	55	521	51	526	44	648	42	563
21	19-25 -	38	467	15	560	25	644	37	668	20	579	33	668	26	624	22	514	29	581	28	614	35	512	47	568	32	558	34	682	20	592
22	May 26-June 1	36	503	33	593	13	657	16	684	12	591	23	691	19	643	36	550	22	603	29	643	17	529	23	591	25	583	29	711	22	614
23	June 2-8 -	15	518	18	611	21	678	20	704	23	614	31	722	23	666	10	560	10	613	28	671	20	549	27	618	19	602	32	743	21	635
24	9-15 -	31	549	33	644	43	721	47	751	38	652	44	766	41	707	17	577	32	645	24	695	26	575	25	643	25	627	41	784	33	668
25	16-22 -	26	575	35	679	42	763	53	804	47	699	63	829	48	755	34	611	40	685	49	744	33	608	35	678	38	665	65	849	43	711
26	23-29 -	33	608	44	723	46	809	32	836	36	735	25	854	37	792	39	650	38	723	27	771	31	639	29	707	33	698	26	875	35	746
27	June 30-July 6	15	623	24	747	42	851	46	882	33	768	37	891	36	828	32	682	35	758	50	821	35	674	41	748	39	737	52	927	37	783
28	July 7-13 -	17	640	18	765	26	877	32	914	32	800	47	938	31	859	37	719	39	797	52	873	32	706	40	788	40	777	71	998	36	819
29	14-20 -	55	695	50	815	44	921	53	967	52	852	64	1002	53	912	64	783	65	862	74	947	57	763	60	848	64	841	80	1078	58	877
30	21-27 -	34	729	20	835	25	946	29	996	24	876	34	1036	26	938	38	821	32	894	27	974	35	798	35	883	33	874	28	1106	30	907
31	July 28-Aug. 3	21	750	24	859	35	981	45	1041	42	918	45	1081	38	976	31	852	30	924	39	1013	26	824	30	913	31	905	45	1151	35	942
32	Aug. 4-10 -	20	770	36	895	42	1023	40	1081	40	958	41	1122	40	1016	33	885	29	953	39	1052	31	855	40	953	35	940	53	1204	37	979
33	11-17 -	22	792	24	919	30	1053	42	1123	36	994	45	1167	35	1051	24	909	23	976	28	1080	22	877	24	977	24	964	35	1239	30	1009
34	18-24 -	21	813	29	948	32	1085	27	1150	31	1025	29	1196	30	1081	35	944	33	1009	40	1120	36	913	33	1010	35	999	47	1286	32	1041
35	Aug. 25-31 -	27	840	34	982	47	1132	45	1195	42	1067	50	1252	45	1126	42	986	44	1053	34	1154	37	950	27	1037	37	1036	48	1334	41	1082
36	Sept. 1-7 -	35	875	44	1026	34	1166	19	1214	23	1090	22	1274	29	1155	37	1023	29	1082	21	1175	26	976	26	1063	28	1064	31	1365	28	1110
37	8-14 -	41	916	52	1078	55	1221	60	1274	51	1141	58	1332	55	1210	40	1063	45	1127	56	1231	21	997	24	1087	37	1101	45	1410	46	1156
38	15-21 -	26	942	42	1120	42	1263	51	1325	39	1180	53	1385	45	1255	27	1090	33	1160	54	1285	25	1022	39	1126	35	1136	65	1475	40	1196
39	22-28 -	24	966	23	1143	36	1299	51	1376	38	1218	44	1429	38	1293	22	1112	34	1194	34	1319	19	1041	21	1147	26	1162	35	1510	32	1228
40	Sept. 29-Oct. 5	17	983	24	1167	24	1323	25	1401	23	1241	21	1450	23	1316	20	1132	26	1220	22	1341	12	1053	11	1158	18	1180	33	1543	20	1248
41	Oct. 6-12 -	26	1009	25	1192	25	1348	26	1427	23	1264	25	1475	25	1341	16	1148	20	1240	23	1364	16	1069	15	1173	18	1198	33	1576	22	1270
42	13-19 -	18	1027	18	1210	22	1370	17	1444	19	1283	16	1491	19	1360	17	1165	20	1260	22	1386	27	1096	25	1198	22	1220	29	1605	20	1290
43	20-26 -	11	1038	7	1217	20	1390	24	1468	22	1305	27	1518	20	1380	10	1175	19	1279	26	1412	18	1114	20	1218	19	1239	35	1640	20	1310
44	Oct. 27-Nov. 2	17	1055	6	1223	9	1399	10	1478	9	1314	12	1530	9	1389	7	1182	12	1291	11	1423	4	1118	7	1225	8	1247	19	1659	9	1319
45	Nov. 3-9 -	17	1072	9	1232	4	1403	11	1489	4	1318	11	1541	8	1397	10	1192	6	1297	9	1432	19	1137	15	1240	12	1259	11	1670	10	1329
46	10-16 -	10	1082	18	1250	25	1428	15	1504	24	1342	18	1559	20	1417	16	1208	17	1314	23	1455	16	1153	18	1258	18	1277	18	1688	19	1348
47	17-23 -	11	1093	15	1265	5	1433	5	1509	6	1348	7	1566	8	1425	10	1218	9	1323	14	1469	18	1171	20	1278	14	1291	11	1699	11	1359
48	Nov. 24-30 -	6	1099	15	1280	21	1454	16	1525	19	1367	17	1583	17	1442	14	1232	16	1339	18	1487	18	1189	17	1295	17	1308	17	1716	17	1376
49	Dec. 1-7 -	7	1106	12	1292	14	1468	16	1541	16	1383	17	1600	15	1457	9	1241	13	1352	14	1501	15	1204	12	1307	12	1320	16	1732	14	1390
50	8-14 -	4	1110	7	1299	5	1473	15	1556	7	1390	15	1615	10	1467	1	1242	3	1355	8	1509	9	1213	13	1320	7	1327	15	1747	8	1398
51	15-21	2	1112	3	1302	4	1477	10	1566	5	1395	13	1628	7	1474	1	1243	5	1360	6	1515	1	1214	1	1321	3	1330	10	1757	5	1403
52	Dec. 22-28 -	6	1118	7	1309	6	1483	3	1569	2	1397	6	1634	5	1479	4	1247	10	1370	4	1519	6	1220	9	1330	6	1336	8	1765	6	1409

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION** FOR THE YEAR 1907.

1907.		0. Scot-land, N.		Eastern Districts.												Western Districts.										11. English Channel.		Means for Districts 1–10 combined	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each week.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.	For the Week.	From Dec. 30, 1906.
	PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1907.																												
	1907.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Dec.30/6.Jan.5/7	6	6	10	10	18	18	21	21	16	16	27	27	19	19	9	9	13	13	18	18	16	16	16	16	13	13	20	20	17	17
2	Jan. 6-12 -	8	7	22	16	29	24	29	25	18	17	19	23	23	21	7	8	14	11	20	19	5	10	11	13	11	12	24	22	17	17
3	13-19 -	14	9	25	20	39	29	28	26	20	18	22	23	27	23	4	7	19	14	13	17	9	10	6	11	11	12	17	20	18	18
4	20-26 -	9	9	21	20	29	29	28	27	28	21	22	23	26	24	15	9	24	17	26	22	24	14	20	13	25	15	21	21	26	20
5	Jan. 27-Feb. 2	9	9	30	22	33	29	32	28	37	24	35	25	35	26	29	13	35	21	40	26	20	15	22	15	30	18	38	24	33	23
6	Feb. 3-9 -	41	15	46	27	25	29	19	26	22	24	23	25	27	26	32	17	40	24	29	26	40	20	35	19	35	21	21	24	30	24
7	10-16 -	25	17	35	28	32	29	26	26	26	24	30	26	30	27	30	19	29	25	33	27	32	22	31	21	31	23	41	27	31	25
8	17-23 -	22	18	43	30	50	32	40	28	42	27	40	28	43	29	41	22	38	27	30	28	26	23	37	23	34	25	25	26	39	27
9	Feb. 24-Mar. 2	18		33	31	36	33	23	27	32	28	29	28	32	30	18	22	25	27	23	27	14	21	17	22	21	24	35	27	26	27
10	Mar. 3-9 -	25	9	32	31	37	33	44	29	25	27	42	30	36	30	31	23	36	28	32	28	30	22	28	23	31	25	43	29	34	28
11	10-16 -	30	20	45	33	48	35	41	31	34	28	38	31	41	32	29	24	33	28	25	28	23	23	21	23	26	25	36	30	33	29
12	17-23 -	29	21	50	34	67	38	67	35	64	32	70	35	63	35	54	27	55	31	57	31	54	26	49	26	54	28	63	33	58	32
13	24-30 -	36	23	51	36	68	41	76	39	69	36	79	39	68	38	41	28	68	35	75	35	40	27	54	28	56	31	84	38	61	35
14	Mar. 31-April 6	44	25	40	37	47	42	55	40	48	37	56	40	49	39	39	29	52	36	44	36	39	28	31	29	41	32	47	39	45	36
15	April 7-13 -	32	26	25	36	21	40	23	39	20	35	31	40	23	38	32	29	20	35	29	35	26	28	37	29	29	32	45	39	26	35
16	14-20 -	29	26	42	36	39	40	42	39	32	35	42	40	40	38	28	29	39	35	48	36	20	27	35	30	34	32	50	40	37	35
17	21-27 -	41	27	47	37	39	40	29	38	32	35	38	40	37	38	41	30	38	36	40	36	34	28	41	31	40	32	40	40	38	35
18	April 28-May 4	25	27	25	36	40	40	42	38	42	35	40	40	38	38	32	30	31	35	45	37	31	28	37	32	36	33	46	41	39	35
19	May 5-11 -	29	27	28	35	34	40	53	40	36	35	45	40	39	38	24	30	30	35	21	36	32	29	27	31	27	32	36	40	34	35
20	12-18 -	29	27	25	35	32	39	41	40	31	35	37	40	33	38	40	31	34	35	46	37	51	30	51	33	46	33	41	40	39	35
21	19-25 -	32	28	13	33	22	38	34	39	18	34	30	39	23	37	19	30	25	34	26	36	31	30	42	33	28	33	31	40	26	35
22	May 26-June 1	29	28	28	33	11	36	14	38	11	33	21	38	17	35	30	30	19	33	26	35	15	29	20	33	22	32	27	39	19	34
23	June 2-8 -	13	27	15	32	18	35	17	37	20	32	27	37	20	35	8	29	8	32	25	35	17	28	23	32	16	31	29	39	18	33
24	9-15 -	25	27	27	31	37	35	41	37	33	32	39	37	35	35	15	28	27	32	21	34	22	28	22	31	21	31	36	38	28	33
25	16-22 -	21	26	29	31	36	35	46	37	41	32	55	38	41	35	29	28	34	32	43	35	28	28	30	31	32	31	58	39	37	33
26	23-29 -	27	26	36	32	39	35	28	37	31	32	22	38	31	35	33	28	32	32	24	34	26	28	25	31	28	31	23	39	30	33
27	June 30-July 6	12	26	20	31	36	36	40	37	28	32	33	37	31	35	26	28	30	32	44	34	30	28	36	31	33	31	47	39	32	33
28	July 7-13 -	14	25	15	30	22	35	28	36	18	32	42	38	27	34	31	28	33	32	46	35	27	28	35	31	35	31	64	40	31	33
29	14-20 -	46	26	42	31	39	35	47	37	46	33	58	38	46	35	55	30	57	33	67	36	50	29	51	32	57	32	73	42	51	33
30	21-27 -	29	26	18	30	22	34	26	37	22	32	31	38	23	34	34	30	28	33	24	36	32	29	32	32	29	32	26	41	27	33
31	July 28-Aug. 3	18	26	22	30	32	34	42	37	39	32	42	38	35	34	28	30	27	32	37	36	24	29	28	32	28	32	43	41	32	33
32	Aug. 4-10 -	18	26	33	30	39	35	38	37	38	33	39	38	38	34	31	30	27	32	37	36	29	29	38	32	33	32	52	41	35	33
33	11-17 -	20	25	23	30	29	34	41	37	35	33	44	39	34	34	23	30	23	32	28	36	21	29	23	32	23	32	35	41	29	33
34	18-24 -	20	25	28	30	32	34	27	37	32	33	30	38	30	34	35	30	33	32	41	36	36	29	33	32	35	32	48	41	32	33
35	Aug. 25-31 -	27	25	35	30	48	35	47	37	44	33	59	39	47	35	43	30	46	32	36	36	38	29	28	32	38	32	50	42	43	33
36	Sept. 1-7 -	37	26	46	30	36	35	21	37	25	33	24	38	31	35	39	30	31	32	23	35	28	29	28	32	30	32	34	41	30	33
37	8-14 -	45	26	57	31	61	35	67	37	57	33	66	39	61	35	44	31	50	33	63	36	23	29	27	32	41	32	50	42	51	34
38	15-21 -	29	26	49	31	49	36	60	38	45	34	62	40	52	36	31	31	38	33	63	37	29	29	46	32	41	32	75	42	46	34
39	22-28 -	29	26	28	31	43	36	62	38	45	34	53	40	46	36	27	31	41	33	41	37	22	29	26	32	31	32	42	42	39	34
40	Sept. 29-Oct. 5	22	26	31	31	30	36	31	38	29	34	26	40	29	36	24	31	32	33	27	37	15	29	14	32	23	32	40	42	25	34
41	Oct. 6-12 -	35	26	34	31	33	36	35	38	30	34	33	40	33	36	21	30	27	33	30	37	21	28	20	31	24	32	43	42	29	34
42	13-19 -	26	26	26	31	30	36	23	38	26	34	22	39	26	36	23	30	27	33	30	36	37	29	35	31	30	32	40	42	27	34
43	20-26 -	17	26	10	31	29	36	34	38	31	34	38	39	29	35	14	30	28	33	37	36	27	29	29	31	28	32	49	43	29	34
44	Oct. 27-Nov. 2	26	26	10	30	14	35	14	37	14	33	18	39	14	35	11	30	19	33	17	36	7	28	10	31	12	31	28	42	14	33
45	Nov. 3-9 -	30	26	14	30	6	35	17	37	6	33	17	38	13	35	16	29	9	32	14	36	31	28	23	31	19	31	17	42	16	33
46	10-16 -	18	26	32	30	42	35	25	37	40	33	28	38	34	35	28	29	28	32	38	36	27	28	29	31	31	31	29	42	32	33
47	17-23 -	21	26	28	30	9	34	9	36	11	33	13	38	14	34	18	29	16	32	23	36	32	28	34	31	25	31	18	41	19	33
48	Nov. 24-30 -	11	26	31	30	39	35	28	36	34	33	30	38	31	34	26	29	29	32	31	36	34	28	30	31	31	31	29	41	32	33
49	Dec. 1-7 -	16	26	25	30	28	35	30	36	29	33	30	38	28	34	18	29	24	32	26	35	29	28	22	31	23	31	27	41	26	33
50	8-14 -	9	26	15	30	11	34	28	36	13	32	28	38	19	34	2	29	6	31	16	35	17	28	24	31	13	31	27	41	15	32
51	15-21 -	5	25	7	30	9	34	18	36	10	32	25	37	14	34	2	28	9	31	11	35	3	28	3	30	6	31	18	40	10	32
52	Dec. 22-28 -	13	25	14	30	11	34	6	36	4	32	11	37	10	34	8	28	20	31	8	35	12	28	17	30	12	30	13	40	12	32

READINGS of ANEMOMETERS amounting to, or exceeding, a velocity of 44 statute miles per hour, as recorded on the "Dines" pressure-tube anemometer, or upon the "Robinson" anemometer with the factor adjusted to give the corresponding result.

Date. 1907.	Station.	Duration of Severe Gale, 44 miles per hour or above.	Wind Direction.	Maximum.	
				Mean Velocity in an Hour (Actual).	Rate in a Gust.
January 1–3 ..	Falmouth	3.30 p.m., 1st, to 0.30 a.m., 2nd, and 8.30 p.m., 2nd, to 0.30 a.m., 3rd	S.W.	54	74
	Scilly	3.30 a.m. to 5.30 p.m., 2nd, and 8.30 p.m., 2nd, to 1.30 a.m., 3rd ..	W. to W.N.W.	47	74
	Deerness	4.30 a.m. to 7.30 a.m., 2nd	E.	46	—
,, 22 ..	Falmouth	1.30 p.m. to 6.30 p.m.	N.E.	52	70
,, 28 ..	Kingstown	9.30 a.m. to 11.30 a.m.	W.S.W.	48	—
	Deerness	11.30 a.m. to 3.30 p m.	W.S.W. to W.N.W.	59	—
,, 29–30 ..	Holyhead	0.30 a.m. to 1.30 a.m., 29th, and 4.30 p.m., 29th, to 2.30 a m., 30th ..	W. to W.N.W.	46	64
	Fleetwood	4.30 a.m. to 8.30 a.m., 29th, and 6.30 p.m., 29th, to 1.30 a.m., 30th ..	W.N.W. to N.W.	53	—
	Scilly	2.30 p.m. to 6.30 p m., 29th	N.W.	47	63
	Southport	7.30 p.m. to 8.30 p.m., 29th, and 0.30 a.m. to 1.30 a.m., 30th	W.N.W.	45	60
February 12–13 ..	Roche's Point	1.30 p.m. to 2.30 p.m., 12th	—	44	60
	Scilly	2.30 p.m. to 11.30 p.m., 12th, and 4.30 a.m. to 10.30 a.m., 13th	N. to N.N.W.	48	71
,, 16–17 ..	Kingstown	6.30 p.m., 16th, to 1.30 a.m. 17th	W.S.W.	46	—
,, 19–21 ..	Falmouth	0.30 p.m. to 10.30 p.m., 19th	S.W.	51	67
	Shoeburyness	5.30 p.m. to 7.30 p.m., 19th	S.W.	45	61
	Scilly	8.30 p.m., 19th, to 8.30 a.m., 20th, 0.30 p.m. to 2.30 p.m., and 7.30 p.m. to 11.30 p.m., 20th, and 7.30 a.m. to 8.30 a.m., 21st.	W. to N.W.	50	78
	Holyhead	8.30 p.m. to 10.30 p.m., 19th, and 4.30 a.m. to 5.30 p.m., 20th	W.S.W. to W.N.W.	54	75
	Southport	7.30 p.m. 19th, to 4.30 p.m., 20th	S.W. to W.N.W.	53	79
	Fleetwood	8.30 p.m., 19th, to 3.30 p.m., 20th, and 10.30 p.m., 20th, to 3.30 a.m., 21st.	W. to N.N.W.	59	—
	Kingstown	9.30 a.m. to 10.30 a.m. and 2.30 p.m. to 3.30 p.m., 20th	W.S.W.	47	—
	Deerness	4.30 p.m., 20th, to 10.30 a.m., 21st	N.N.W.	51	—
March 8–9 ..	Deerness	7.30 p.m., 8th, to 1.30 a.m., 9th	N.W.	46	—
,, 16–17 ..	Roche's Point	2.30 p.m. to 5.30 p.m., 16th	—	48	67
	Falmouth	5.30 p.m. to 9.30 p.m., 16th	S.S.W.	55	69
	Kingstown	8.30 p.m, to 11.30 p.m., 16th	W.S.W.	51	—
	Holyhead	9.30 p.m. to 11.30 p.m., 16th	W.S.W.	48	76
	Southport	10.30 p.m., 16th, to 1.30 a m., 17th	S.W. to W.	60	81
	Fleetwood	11.30 p.m., 16th, to 2.30 a.m., 17th	S.W. to W.	56	—
,, 18 ..	Kingstown	2.30 a.m. to 3.30 a.m.	S.W. by W.	45	—
	Southport	5.30 a.m. to 7.30 a.m.	W.S.W.	46	64
	Fleetwood	7.30 a.m. to 9.30 a.m.	W. by S.	45	—
,, 19 ..	Southport	5.30 p.m. to 9.30 p.m.	W.S.W.	45	63
	Kingstown	8.30 p.m. to 9.30 p.m.	S.W.	44	—
,, 20 ..	Fleetwood	9.30 a.m. to 10.30 a m.	N.W. by W.	44	—
April 6 ..	Deerness	4.30 a.m. to 5.30 a.m.	S.E.	45	—
,, 13 ..	Kingstown	9.30 a.m. to 10.30 a.m.	N.E.	44	—
,, 24 ..	Deerness	6.30 a.m to 11.30 a.m.	W.	45	—
,, 30 ..	Fleetwood	6.30 p.m. to 7.30 p.m.	N.W.	45	—
May 1 ..	Falmouth	9.30 p.m. to 11.30 p.m.	S.W.	44	56
,, 2 ..	Kingstown	9.30 a.m. to 7.30 p.m.	S.W.	49	—
	Southport	5.30 p.m. to 10.30 p.m.	S.W.	48	64
,, 3 ..	Falmouth	3.30 p.m. to 7.30 p.m.	S.W.	46	60
,, 4 ..	Kingstown	8.30 a.m. to 10.30 a.m. and 1.30 p.m. to 2.30 p.m.	W.S.W.	49	—
,, 5 ..	Falmouth	2.30 p.m. to 3.30 p.m.	E.	45	60
,, 8 ..	Falmouth	9.30 a.m. to 10.30 a.m.	S.	44	53
June 3 ..	Fleetwood	4.30 a.m. to 7.30 a.m.	W.S.W. to W.	47	—
,, 24–25 ..	Kingstown	10.30 p.m. to 11.30 p.m., 24th	W.	48	—
	Holyhead	11.30 p m., 24th, to 0.30 a.m., 25th	W.	44	64
August 7 ..	Fleetwood	6.30 a.m. to 7.30 a.m.	W.	44	—
,, 14 ..	Deerness	5.30 a.m. to 8.30 a.m.	W.	45	—
October 15 ..	Fleetwood	1.30 p.m. to 3.30 p.m.	W.	45	—
,, 16 ..	Falmouth	6.30 p.m. to 9.30 p.m.	N.	46	71
,, 17 ..	Scilly	11.30 a.m. to 0.30 p.m.	N.W.	44	52
,, 18–19 ..	Roche's Point ..	5 a.m. to 7 a.m., 1.30 p.m. to 2.30 p.m., and 6.45 p.m. to 9 p.m., 18th	—	50	68
	Scilly	5.30 a.m. to 7.30 a.m., 18th	S.E.	47	56
	Falmouth	6.30 a.m. to 9.30 a.m., 18th, and 10.30 p.m., 18th, to 3.30 a.m., 19th	S. to S.S.W.	55	71
,, 20 ..	Falmouth	Noon to 2.0 p.m.	S.S.W.	50	64
November 1 ..	Falmouth	2.30 p.m. to 8 p.m.	E.N.E. to E.S.E.	48	60
,, 12–13 ..	Holyhead	10.30 p.m., 12th, to 6.30 a.m., 13th	W.	49	66
	Fleetwood	10.30 p.m., 12th, to 11.30 a.m., 13th, and 1.30 p.m. to 2.30 p.m., 13th	W.S.W. to W.N.W.	59	—
	Southport	11.45 p.m., 12th, to 0.15. a.m., 13th, and 2 a.m. to 7 a.m., 13th ..	W. to W.N.W.	48	67
,, 22 ..	Deerness	0.30 a.m. to 4.30 a.m.	S.S.E.	48	—
,, 26 ..	Falmouth	9.30 a.m. to 0.30 p.m.	S.W.	51	63
,, 30–Dec. 1	Falmouth	11.30 p.m., Nov. 30th, to 2.30 a.m., Dec. 1st	E.	47	60
December 8 ..	Falmouth	9.30 a.m. to 11.15 a.m., and 4.30 p.m. to 11.15 p.m.	S.W. to W.S.W.	46	73
	Scilly	4.30 p.m. to Midnight	W.	48	—
,, 10 ..	Scilly	9.30 a.m. to 10.30 a.m.	W.S.W.	46	—
,, 13–14 ..	Scilly	7.30 p.m., 13th, to 8.30 a.m., 14th	W.N.W.	54	—
	Holyhead	0.30 a.m. to 2.30 a.m., 14th	W.N.W.	45	64
	Fleetwood	3.30.a.m. to 8.30 a.m., 14th	W.N.W.	61	—
	Southport	4 a.m. to 9.30 a.m., 14th	N.W.	53	73
	Shoeburyness	10.30 a.m. to 11.30 a.m., 14th	W.	44	67
	Dover	1 p.m. to 3 p.m., 14th	—	48	73
,, 26–28 ..	Falmouth	8.15 a.m. to Noon, and 3 p.m. to 8 p.m., 26th, and 1 a.m., 27th, to 10 p.m., 28th.	E.S.E. to S W.	59	71

The readings assigned to Falmouth are from a pressure tube anemograph at Pendennis Castle.

A mean velocity of 44 miles in the hour was not recorded during the year at Kew, Alnwick Castle, Great Yarmouth, North Shields, Dublin (Phœnix Park), Armagh, Valencia, Glasgow, Stonyhurst, nor at Falmouth Observatory.